6. Exploded Views & Parts List

6-1. Main Ass'y

6-2. Cover Ass'y

6-3. Frame Ass'y

6-4. Cassette Ass'y

6-5. MP Tray Ass'y

6-6. Pick Up Ass'y

6-7. Fuser Ass'y

6-8. Shield Ass'y

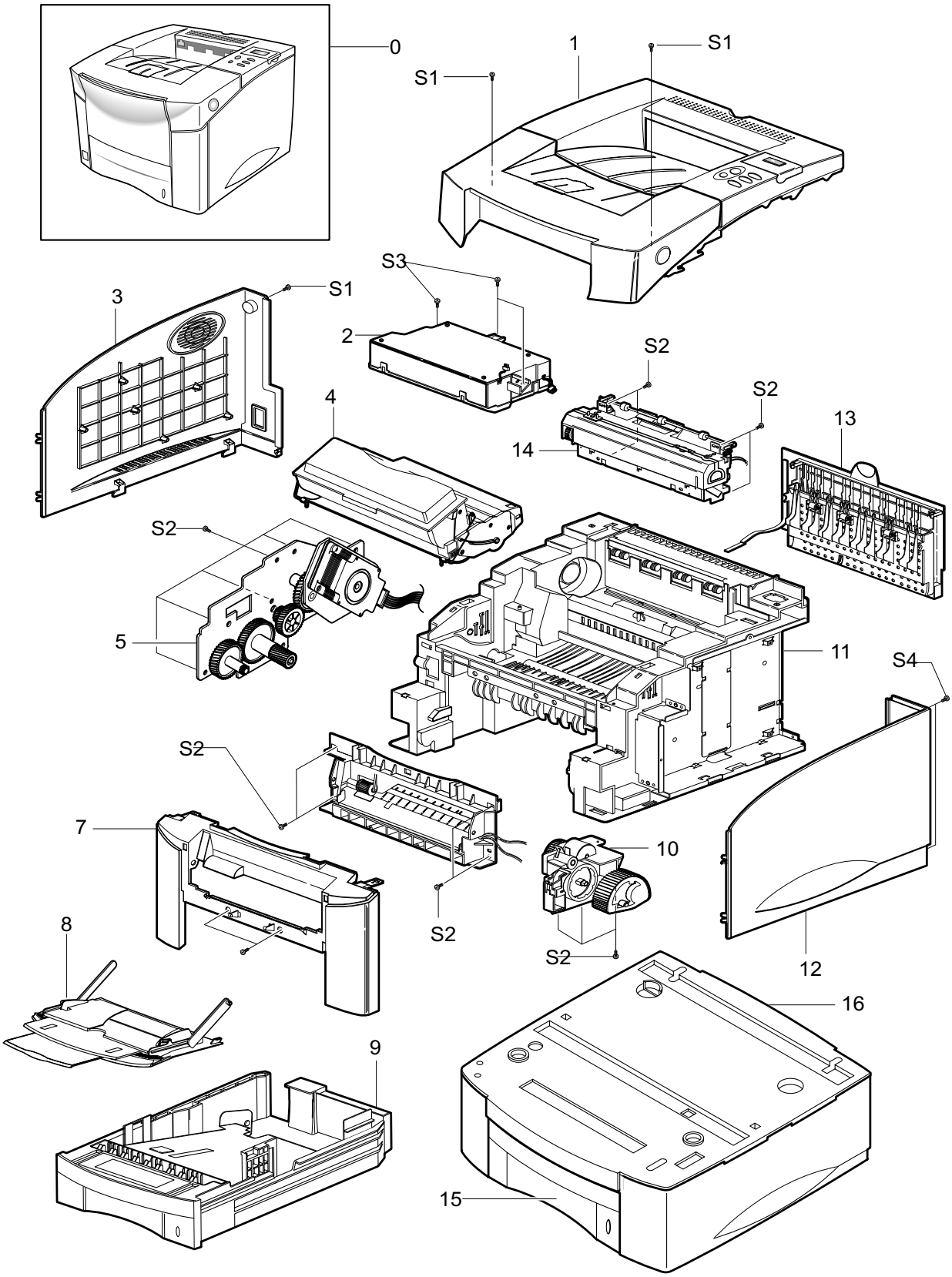
6-9. Bracket Duplex Ass'y

6-10. Bracket Motor Ass'y

6-11. Frame SCF Ass'y

6-12. Cassette SCF Ass'y

6-1 Main Ass'y

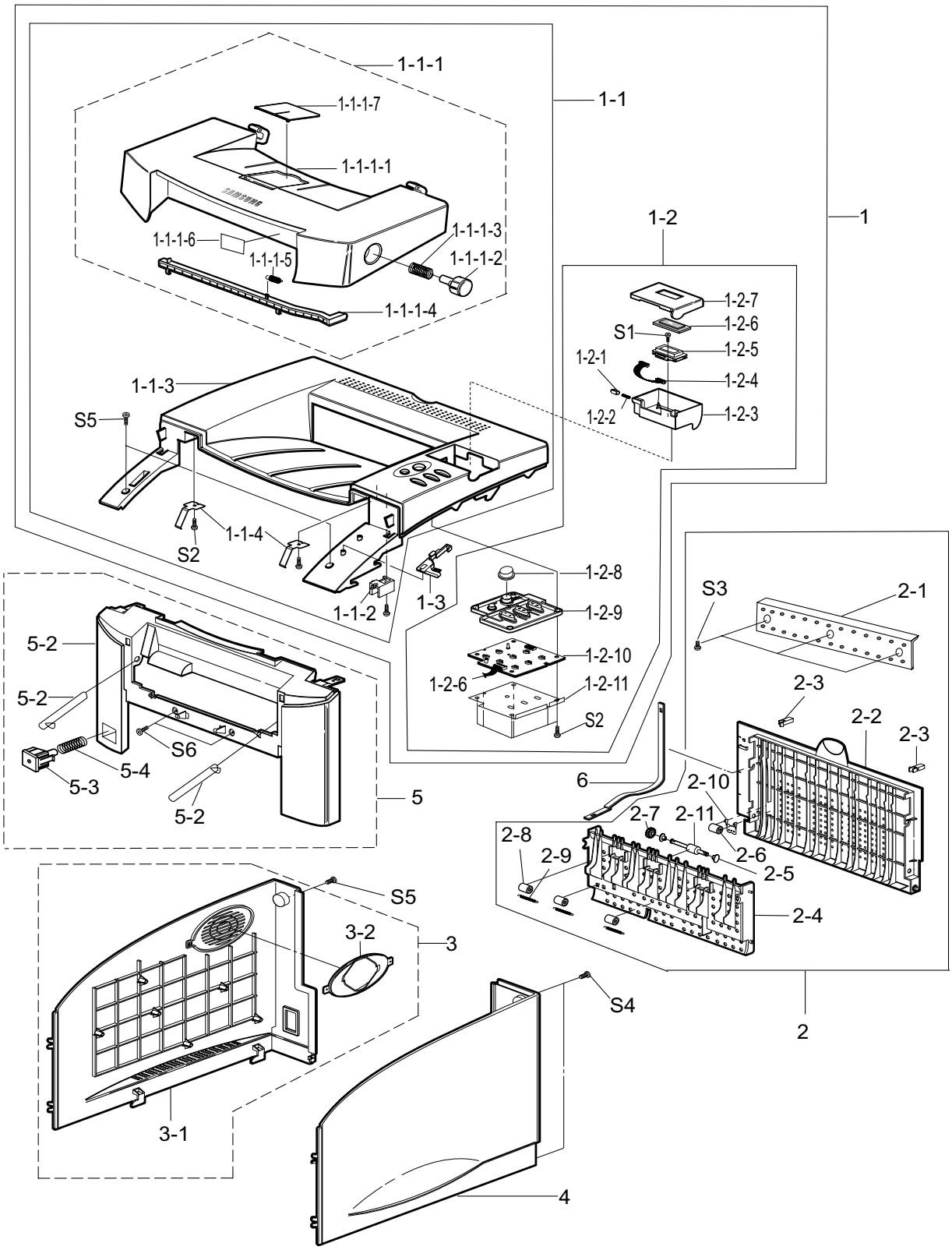


Main Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
0	MAIN SET				
1	ELA HOU-COVER HOUSING	*	1	X	
2	UNIT-LSU	JC59-00005A	1	O	
3	MEA RACK-COVER LEFT	JC96-01025B	1	O	
4	ELA HOU-DEVE UNIT(D)	*	1	X	
5	ELA HOU-BRKT MOTOR	JC96-01951A	1	O	
6	ELA HOU-MP TRAY	JC96-01055A	1	O	
7	MEA RACK-COVER FRONT	JC97-01024B	1	O	
8	MEC-COVER TRAY	*	1	X	
9	MEA-RACK FEEDER CST	JC97-01023C	1	O	
10	MEA RACK-PICK UP	JC97-01039A	1	O	
11	PMO-FRAME BASE	*	1	X	
12	PMO-COVER-RIGHT	JC72-40941E	1	O	
13	MEA RACK-COVER REAR	JC97-01026B	1	O	
14 ⚠	ELA HOU-FUSER ASS'Y	JC96-02033A	1	O	220V
	ELA HOU-FUSER ASS'Y	JC96-02034A	1	O	110V
15	MEA RACK-CAST SCF	*	1	X	
16	MEA RACK-SCF AS'Y	*	1	X	

⚠ *Indicate part is for electrical safety components*

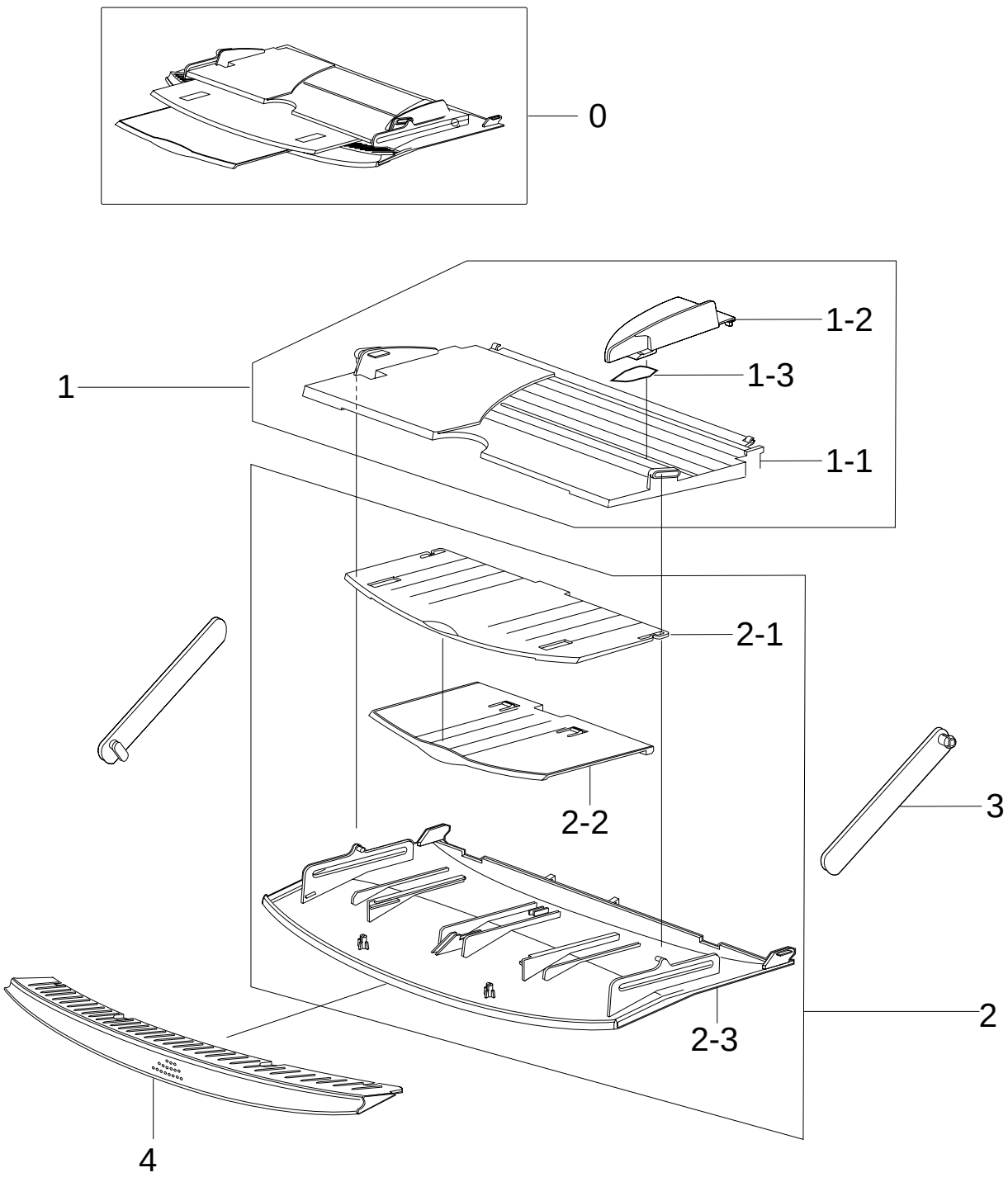
6-2 Cover Ass'y



Cover Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
1	ELA HOU-COVER OUSING	*	1	X	
1-1	ELA HOU-COVER TOP	JC96-01535B	1	O	
1-1-1	MEA RACK-COVER OPEN	*	1	X	
1-1-1-1	PMO-COVER OPEN	*	1	X	
1-1-1-2	PMO-BUTTON OPEN	*	1	X	
1-1-1-3	SPRING-CS	*	1	X	
1-1-1-4	PMO-HOOK OPEN	*	1	X	
1-1-1-5	SPRING-HOOK LEVER2	*	1	X	
1-1-1-6	LABEL(P)-LSU CLEAN	*	1	X	
1-1-2	PMO-STOPPER HINGE	*	1	X	
1-1-3	PMO-COVER TOP	*	1	X	
1-1-4	IPR-SPRING HINGE	*	2	X	
1-2	ELA UNIT-PNL&LCD	JC96-02035C	1	O	7300/XEG
1-2-1	PMO-LCD LOCKER	*	1	X	
1-2-2	SPRING-LCD LOCKER	*	1	X	
1-2-3	PMO-HOUSING PANEL L	*	1	X	
1-2-4	CBF HARNESS-LCD	*	1	X	
1-2-5	PBA SUB DISP-LCD	*	1	X	
1-2-6	PMO-WINDOW PANEL	*	1	X	
1-2-7	PMO-HOUSING PANEL U	*	1	X	
1-2-8	PMO-KEY ONLINE	*	1	X	
1-2-9	PMO-KEY SEESAW	*	1	X	
1-2-10	PBA SUB DISP-PANEL	*	1	X	
1-2-11	IPR-INSULATOR PANEL	*	1	X	
1-2-12	CBF HARNESS-PANEL	*	1	X	
1-3	PMO-HOLDER CLEANER LSU	*	1	X	
2	MEA UNIT-RACK COVER REAR	JC97-01026B	1	O	
2-1	ICT-BRKT REAR COVER	*	1	X	
2-2	PMO-COVER REAR	*	1	X	
2-3	SPRING-REAR	*	2	X	
2-4	PMO-GUIDE INNER DP	*	1	X	
2-5	PMO-BEARING LARGE DP	*	1	X	
2-6	PMO-ROLLER UPPER DP	*	1	X	
2-7	GEAR-DUPLEX	*	1	X	
2-8	PMO-IDLE PICK UP	*	3	X	
2-9	SPRING-FEED ROLL	*	3	X	
2-10	IPR-SPRING UPPER DP	*	1	X	
2-11	RCT-ROLLER REAR DP	*	1	X	
3	MEA RACK-COVER LEFT	JC97-01025B	1	O	
3-1	PMO-COVER LEFT	*	1	X	
3-2	PMO-AIRDUCT	*	1	X	
4	PMO-COVER RIGHT	JC72-40941E	1	O	
5	MEA RACK-COVER FRONT	JC97-01024B	1	O	
5-1	PMO-COVER FRONT	*	1	X	
5-2	PMO-LINK TRAY	JC72-40957D	2	O	
5-3	PMO-BOTTOM POWER	*	1	X	
5-4	SPRING-CS	*	1	X	
6	PMO-STRIPE	JC72-41004A	1	O	
S1	SCREW-TAPTITE	*		X	
S2	SCREW-TAPTITE	*		X	
S3	SCREW-TAPTITE	*		X	
S4	SCREW-TAPTITE	*		X	
S5	SCREW-TAPTITE	*		X	
S6	SCREW-TAPTITE	*		X	

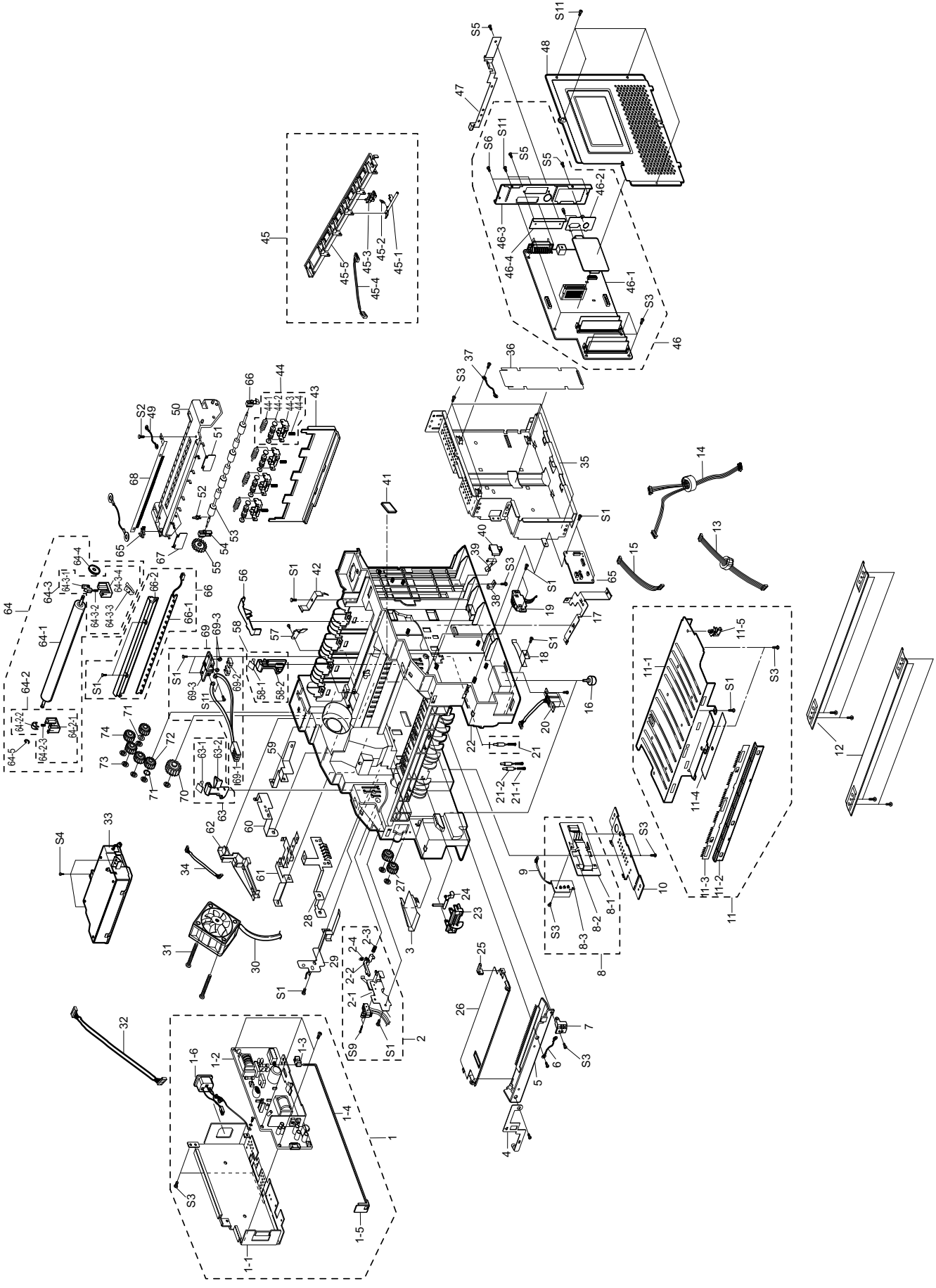
Cover Ass'y



Cover Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
0		*		X	
1	MEA RACK-TRAY MP	JC97-01038B	1	O	
1-1	PMO-TRAY-MP	*	1	X	
1-2	PMO-SIDE GUIDE TRAY	*	1	X	
1-3	ICT-SHEET SIDE GUIDE	*	1	X	
2	MEA UNIT-COVER TRAY	JC97-01037B	1	O	
1-1	PMO-SUBTRAY-FIRST	*	1	X	
1-2	PMO-SUBTRAY-SECOND	*	1	X	
1-3	PMO-COVER TRAY	*	1	X	
3	PMO-LINK TRAY	JC72-40957D	2	O	
4	PMO-COVER COLOR	*	1	X	

6-3. Frame Ass'y



Frame Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
1 ⚠	ELA HOU-SMPS 220V	*	1	X	220V
	ELA HOU-SMPS 220V	*	1	X	110V
1-1	IPR-SHIELD SMPS	*	1	X	
1-2 ⚠	SMPS-PHX V2	JC44-00013A	1	O	220V
	SMPS-110V	JC44-00009A	1	O	110V
1-3	PMO-CAP WIRE SUPPORT	*	1	X	
1-4	SPRING-LINK WIRE	*	1	X	
1-5	PMO-CAP POWER	*	1	X	
1-6	PMO-ROLLER FD R	*	1	X	
2	ELA HOU-BRKT C/O(KME)	*	1	X	
2-1	MEA RACK-BRKT C/O	JC97-01977A	1	O	
2-2	PMO-ACTUATOR C/O	*	1	X	
2-3	SPRING-C/O COM	*	1	X	
2-4	SPRING-C/O	*	1	X	
3	IPR-BRKT DUST	*	1	X	
4	IPR-GROUND MP CON	*	1	X	
5	MEA UNIT-GUIDE P/UPPER	JC97-01407A	1	O	
6	CBF HARNESS-MP GND	JC39-40538A	2	O	
7	PMO-HINGE GUIDE R	*	1	X	
8	ELA HOU-CST SENSER	JC96-01143A	1	O	
8-1	IPR-BRKT PAPER SIZE	*	1	X	
8-2	IPR-PUSH PLT SPRING	*	1	X	
8-3	PBA SUB-CASSETTE	*	1	X	
9	CBF HARNESS-CASSETTE	JC39-40524A	1	O	
10	IPR-GND BAR BOTTOM	*	1	X	
11	MEA RACK-GUIDE T/R	JC97-01033A	1	O	
11-1	PMO-GUIDE TRANSFER	*	1	X	
11-2	PMO-HOLDER SAW	*	1	X	
11-3	IPR-PLATE SAW	*	1	X	
11-4	PPR-INSULATOR G/TR	*	1	X	
11-5	CABLE CLAMP	*	1	X	
12	IPR-BAR CROSS BOTTOM	JC70-10958A	2	O	
13	CBF HARNESS-JOINT+ENGINE	JC39-00119A	1	O	
14	CBF HARNESS-LSU(18P)	JC39-00011A	1	O	
15	CBF HARNESS-VIDEO	JC39-40530A	1	O	
16	FOOT-RUBBER	*	2	X	
17	IPR-GROUND FUSER R	*	1	X	
18	IPR-PLATE CST GUIDE	*	1	X	
19	ELA HOU-SOCKET CON	JC96-01071A	1	O	
20	CBF HARNESS-SCF1	JC39-40527A	1	O	
21	MEA RACK-TERMINAL HV	JC97-01035A	3	O	
21-1	SPRING-CS	*	1	X	
21-1	ICT-TERMINAL HV	*	1	X	
22	PMO-FRAME BASE	*	1	X	
23	PMO-CAP ACT FEED	*	1	X	
24	PMO-ACTUATOR FEED	JC72-40984A	1	O	
25	PMO-HOLDER G/PAPER	*	1	X	
26	IPR-GUIDE P/FRONT	JC70-10964A	1	O	
27	GEAR-P/UP DRIVE	*	2	X	
28	IPR-GROUND BRKT GEAR	*	1	X	
29	IPR-GROUND OPC	*	1	X	
30	FAN-DC	3103-001047	1	O	
31	SCREW-TAPTITE	*	2	X	
32	CBF HARNESS-SMPS	JC39-40532A	1	O	
33	UNIT-LSU	JC59-00005A	1	O	
34	CBF HARNESS-CASSETTE	JC39-40524A	1	O	
35	IPR-FRAME ICU	*	1	X	
36	PMO-CAP WIRE	*	1	X	
37	CBF HARNESS-MP GND	JC39-40538A	2	O	

⚠ *Indicate part is for electrical safety components*

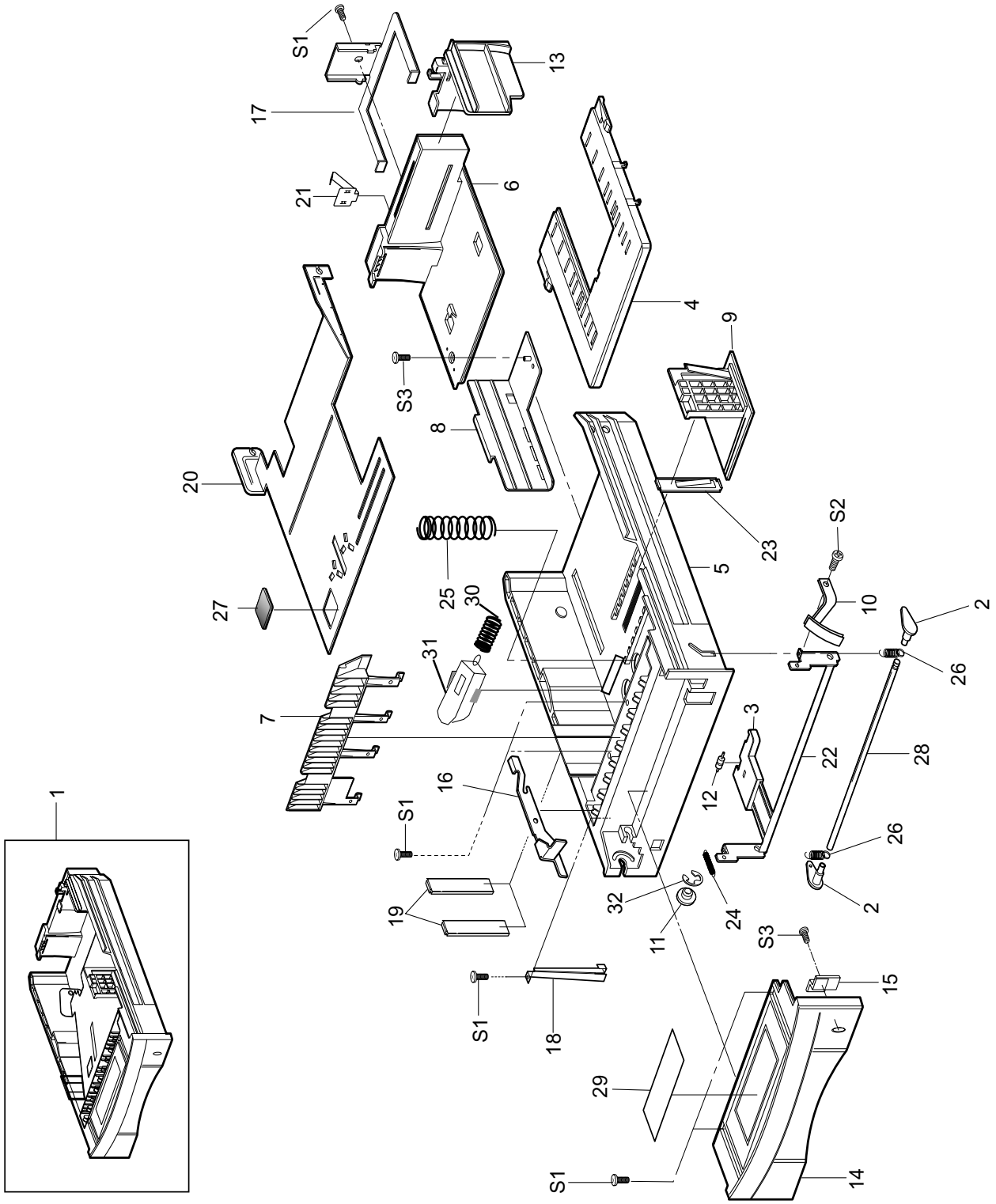
Frame Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
38	PMO-REAR CST ALIGN	*	2	X	
39	IPR-TERMINAL T/R	*	1	X	
40	PMO-CAP TERMINAL TR	*	1	X	
41	ICT-SPACER FRAME	*	1	X	
42	IPR-GROUND EXIT ROLL	*	1	X	
43	PMO-COVER EXIT	*	1	X	
44	MEA RACK-EXIT ROLLER	JC97-01034A	4	O	
44-1	PMO-ROLLER FD R	*	1	X	
44-2	PMO-ROLLER FD F	*	1	X	
44-3	PMO-HOLDER EXIT ROLL	*	1	X	
44-4	SPRING-EXIT ROLL FD	*	1	X	
45	ELA HOU-DEV KEY	*	1	X	UNABLE
45-1	ACTUATOR DEV KEY	*	1	X	UNABLE
45-2	SPRING C/O	*	1	X	UNABLE
45-3	PHOTO-INTERRUPTER	*	1	X	UNABLE
45-4	CBF HARNESS-DEV KEY	*	1	X	UNABLE
45-5	HOLDER ACT KEY	*	1	X	
46	ELA HOU-CONTROLLER	*		X	
46-1	PBA MAIN CTRL-CONTROLLER	JC92-01287A	1	O	
46-2	IPR-BKT SERIAL	JC70-10933A	1	O	
46-3	IPR-BRKT ICU(B)	*	1	X	
46-4	IPR-BKT NETWORK	JC70-10932A	1	O	
47	IPR-GROUND ICU	*	1	X	
48	IPR-SHIELD ICU	JC70-10930A	1	O	
49	CBF HARNESS-DUPLEX GND	*	1	X	
50	PMO-GUIDE EXIT FD	*	1	X	
51	PMO-LEVER STACKING2	JC72-41228D	1	O	
52	PMO-LEVER SEESAW	JC72-41189A	1	O	
53	RCT-ROLLER EXIT FD	JC73-30906A	1	O	
54	MEC-BEARING,EXIT	*	1	X	
55	GEAR-EXIT	JC66-40209A	1	O	
56	PMO-CAP WIRE LSU	*	1	X	
57	IPR-PLATE GRIP CST	*	1	X	
58	MEA UNIT-GUIDE DEV : R	JC97-01403A	1	O	
58-1	SPRING-PS,G/DEV	*	1	X	
58-2	PMO-GUIDE DEV R	*	1	X	
59	IPR-GND SHIELD SMPS	*	1	X	
60	IPR-GROUND DU BRKT	*	1	X	
61	IPR-GROUND FUSER	*	1	X	
62	PMO-CAP WIRE CST	*	1	X	
63	MEA UNIT-GUIDE DEV :	JC97-01402A	1	O	
63-1	"SPRING-PS,G/DEV"	*	1	X	
63-2	PMO-GUIDE DEV L	*	1	X	
64	MEA RACK-ROLLER TR	JC97-01094A	1	O	
64-1	MEC-ROLLER TRANSFER	JC75-10954A	1	O	
64-2	MEA UNIT-HOLDER TR : L	JC97-01406A	1	O	
64-2-1	PMO-HOLDER TR L	*	1	X	
64-2-2	PMO-BUSH	*	1	X	
64-2-3	SPRING-TR_L	*	1	X	
64-3	MEA UNIT-HOLDER TR : R	JC97-01404A	1	O	
64-3-1	PMO-BUSH	*	1	X	
64-3-2	SPRING-TR_R	*	1	X	
64-3-3	SPRING-PLATE TR	*	1	X	
64-3-4	PMO-HOLDER TR R	*	1	X	
64-4	GEAR-TRANSFER	JC66-40947A	1	O	
64-5	RING-E	*	1	X	
65	PHOTO-INTERRUPTER	*	1	X	
66	ELA HOU-PTL	JC96-01978A	1	O	
66-1	PBA SUB-PTL	*	1	X	

Frame Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
66-2	PMO-COVER QUENCHING	*	1	X	
67	PMO-LEVER STACKING1	JC72-41188D	1	O	
68	MEC-BRUSH	JC75-10923A	1	O	
69	ELA HOU-FUSER TERMINAL	JC96-01980A	1	O	
69-1	CBF HARNESS-FUSING	JC39-40522A	1	O	
69-2	IPR-TERMINAL FU	*	2	X	
69-3	PMO-HOUSING TERMINAL	*	1	X	
70	GEAR-DP,IDLE	*	1	X	
71	SPRING-CLUTCH	*	2	X	
72	GEAR-EXIT,IDLE(Z17)	*	1	X	
73	RING-CS	*	8	X	
74	GEAR-EXIT/U,ID	JC66-40211B	2	O	
S1	SCREW-TAPTITE	*	1	X	
S2	SCREW-TAPTITE	*	2	X	
S3	SCREW-TAPTITE	*	1	X	
S4	SCREW-TAPTITE	*	3	X	
S5	SCREW-MACHINE	*	1	X	
S6	SCREW-TAPTITE	*	3	X	
S7	SCREW-TAPTITE	*	2	X	
S8	SCREW-TAPTITE	*	1	X	
S9	SCREW-MACHINE	*	2	X	
S10	SCREW-TAPTITE	*	1	X	
S11	SCREW-TAPTITE	*	2	X	

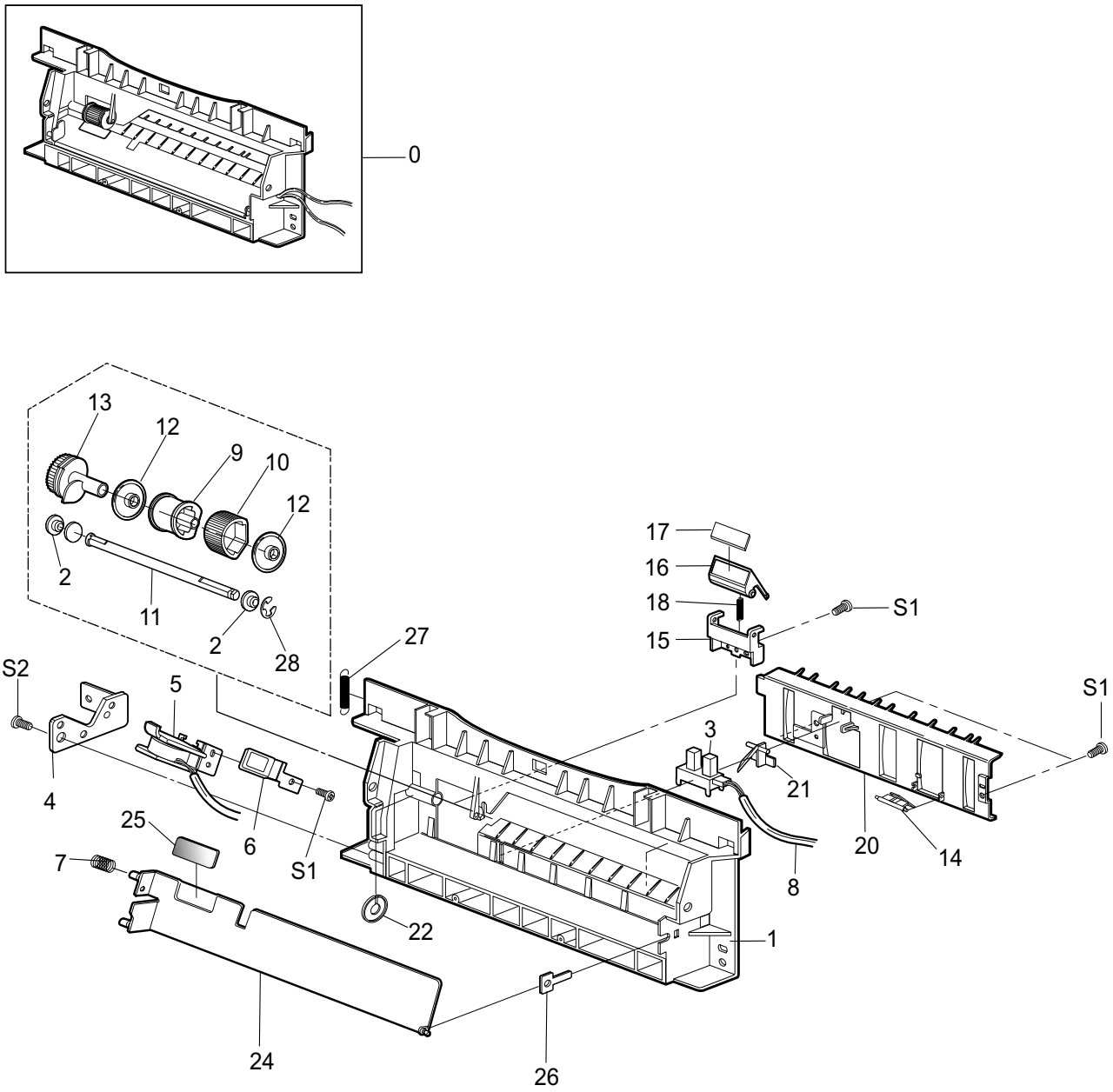
6-4. Cassette Ass'y



Cassette Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
1	MEA-RACK FEEDER CST	JC75-01023C	1	O	
2	PMO-BUSH K/UP	*	2	X	
3	PMO-CAP PLATE K/UP	*	1	X	
4	PMO-COVER GUIDE EXT	*	1	X	
5	PMO-FRAME CASSETTE	*	1	X	
6	PMO-GUIDE EXT CST	*	1	X	
7	PMO-GUIDE PAPER	*	1	X	
8	PMO-GUIDE PAPER SIZE	*	1	X	
9	PMO-GUIDE SIDE CST	*	1	X	
10	PMO-LEVER PAPER	*	1	X	
11	PMO-LINK LEVER	*	1	X	
12	PMO-ROLLER FD R	*	1	X	
13	PMO-SIDE GUIDE EXT	*	1	X	
14	PMO-SUB GUIDE CAST	*	1	X	
15	PMO-WINDOW PAPER	*	1	X	
16	IPR-FINGER	*	1	X	
17	IPR-GUIDE EXT LOCK	*	1	X	
18	IPR-GUIDE PAPER SCF	*	1	X	
19	IPR-GUIDE PLT PAPER	*	2	X	
20	IPR-PLATE KNOCK UP	*	1	X	
21	IPR-PLATE SPR LOCK	*	1	X	
22	IPR-PLATE SUB K/UP	*	1	X	
23	IPR-SPR PLATE G/SIDE	*	1	X	
24	SPRING-LEVER	*	1	X	
25	SPRING-PLATE K/UP	*	1	X	
26	SPRING-SUB PLATE	*	2	X	
27	RPR-PAD CST	*	1	X	
28	ICT-SHAFT SPR K/UP	*	1	X	
29	LABEL(R)-INSTRUCTION	*	1	X	
30	SPRING-LOCKER,PLATE	*	1	X	
31	PMO-LOCKER PLATE	*	1	X	
32	RING-E	*	1	X	
S1	SCREW-MACHINE	*		X	
S2	SCREW-TAPTITE	*		X	
S3	SCREW-TAPTITE	*		X	

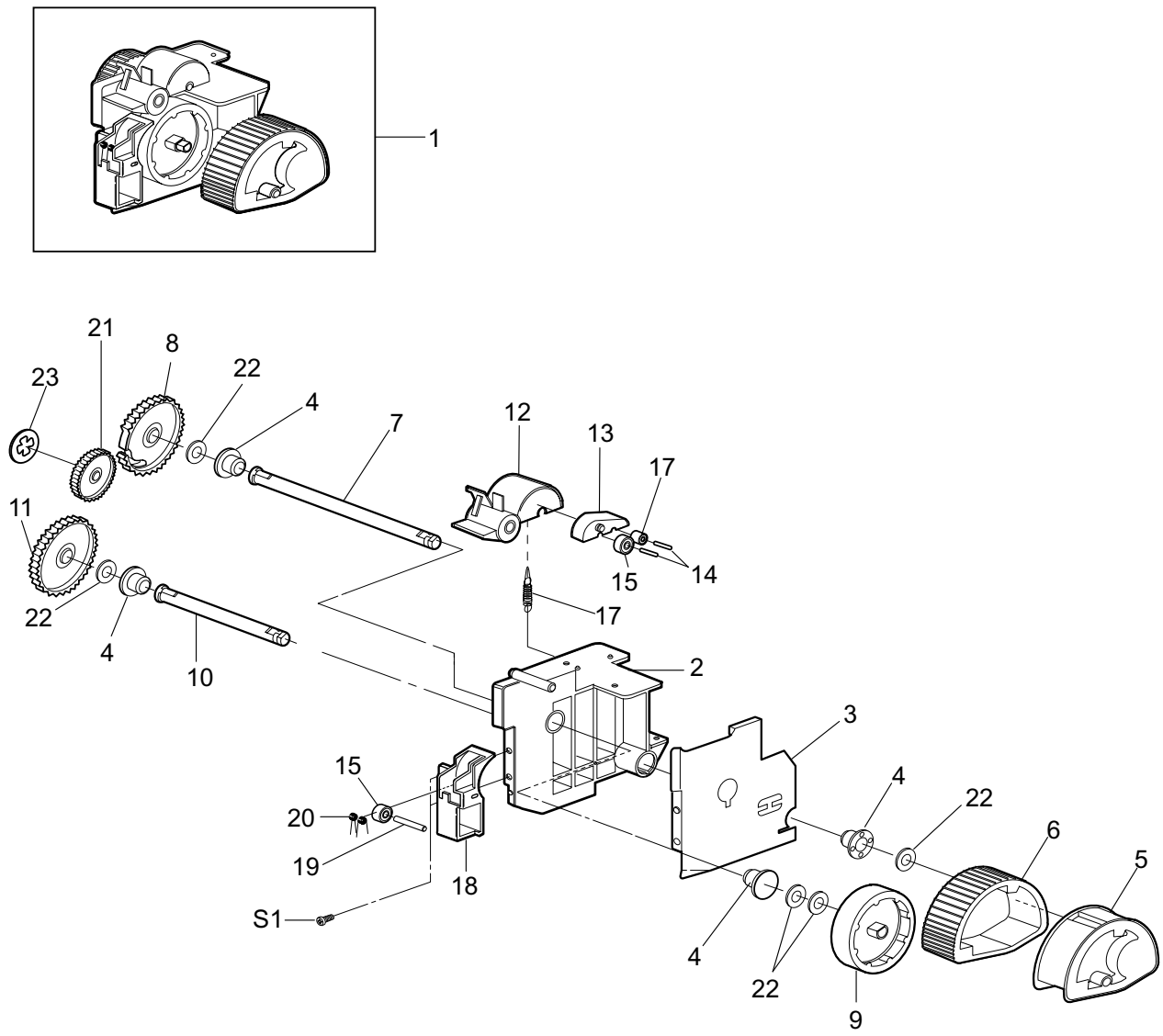
6-5. MP Tray Ass'y



MP Tray Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
0	ELA HOU-MP TRAY	JC96-01055A	1	O	
1	PMO-FRAME MP	*	1	X	
2	BEARING-PICK UP	*	2	X	
3	PHOTO-INTERRUPTER	*	1	X	
4	IPR-BKT SOLENOID MP	*	1	X	
5	SOLENOID-MP	*	1	X	
7	SPRING-C/O COM	*	1	X	
6	PMO-LIMIT SOLENOID	*	1	X	
8	CBF HARNESS-MP	*	1	X	
9	PMO-HOUSING P/UP MP	*	1	X	
10	RPR-RUBBER P/UP MP	JC73-10907A	1	O	
11	ICT-SHAFT PICK UP MP	*	1	X	
12	PMO-IDLE PICK UP MP	*	2	X	
13	GEAR-CAM	*	1	X	
14	PMO-ACTUATOR PAPER	*	1	X	
15	PMO-BKT HOLDER MP	*	1	X	
16	PMO-HOLDER PAD MP	*	1	X	
17	RPR-FRICTION PAD MP	*	1	X	
18	SPRING-F/P MP	*	1	X	
20	PMO-SUB GUIDE MP	*	1	X	
21	PMO-ACTUATOR EMPTY	*	1	X	
22	PMO-GUIDE RING	*	1	X	
24	IPR-K/UP PLATE MP	*	1	X	
25	RPR-PAD KNOCK UP MP	*	1	X	
26	PMO-BUSHING K/UP MP	*	1	X	
27	SPRING-KNOCK UP MP	*	1	X	
28	RING-E	*	1	X	
S1	SCREW-TAPTITE	*	1	X	
S2	SCREW-TAPTITE	*	1	X	

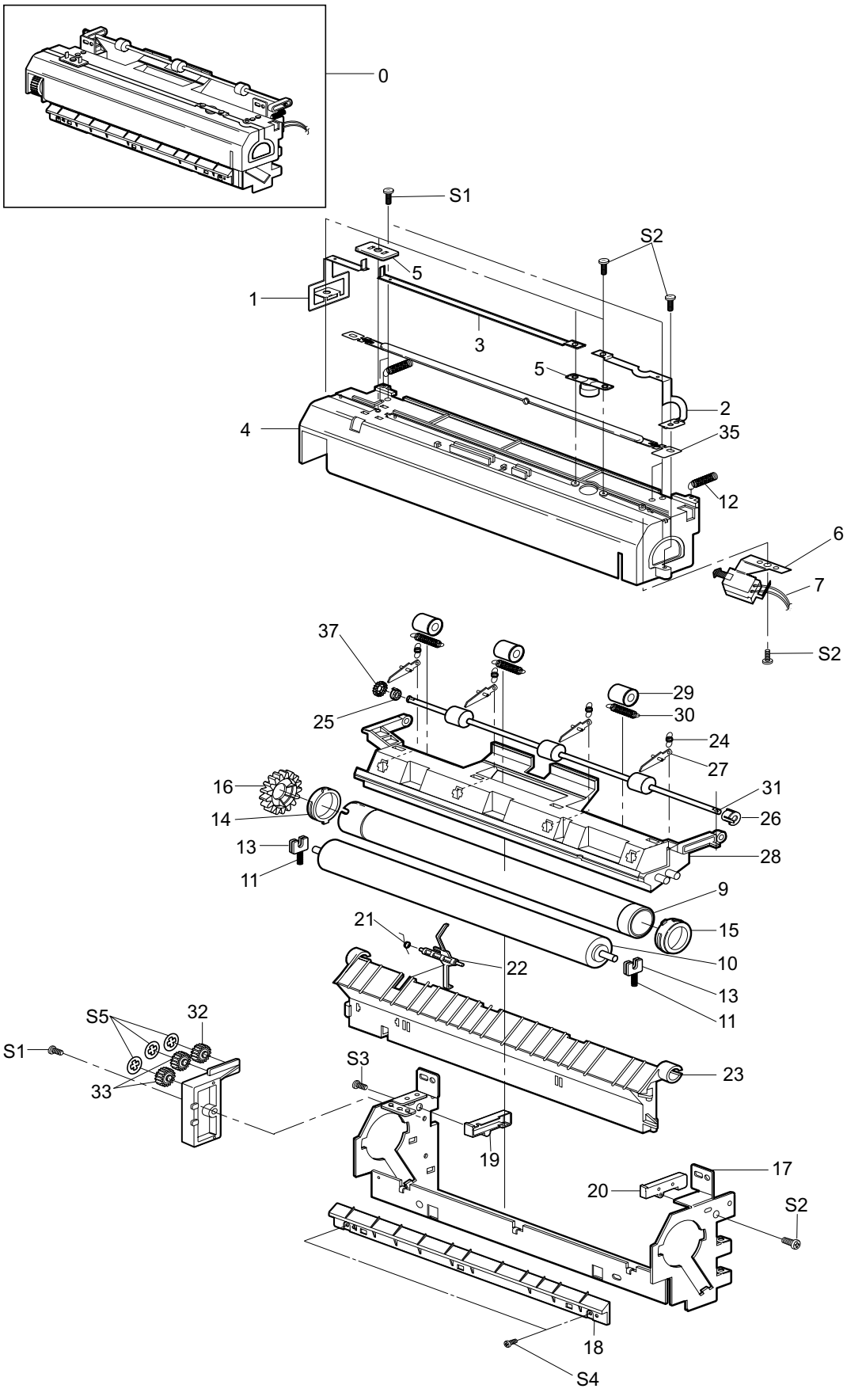
6-6. Pick Up Ass'y



Pick Up Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
1	MEA RACK-PICK UP	JC97-01039A	1	O	
2	PMO-FRAME FEED	*	1	X	
3	IPR-PAPER GUIDE FEED	*	1	X	
4	BEARING-PICK UP	*	4	X	
5	PMO-HOUSING PICK UP	*	1	X	
6	RPR-RUBBER PICK UP	*	1	X	
7	ICT-SHAFT PICK UP	*	1	X	
8	GEAR-PICK UP	*	1	X	
9	PMO-FEED ROLL DRIVE	*	1	X	
10	ICT-SHAFT FEED	*	1	X	
11	GEAR-FEED	*	1	X	
12	PMO-HOLDER FEED S	*	1	X	
13	PMO-SUB HOLDER FEED	*	1	X	
14	IPR-SHAFT FEED IDLER	*	2	X	
15	PMO-ROLLER FEED L	*	2	X	
16	PMO-ROLLER FEED S	*	1	X	
17	SPRING-FEED SMALL	*	1	X	
18	PMO-HOLDER FEED L	*	1	X	
19	ICT-SHAFT IDLE LARGE	*	1	X	
20	SPRING-FEED LARGE	*	1	X	
21	GEAR-P/UP DRIVE	*	1	X	
22	WASHER-PLAIN	*	5	X	
23	RING-CS	*	1	X	
24	ICT-SUB SHAFT P/UP	*	1	X	
25	IPR GROUND FEED	*	1	X	
S1	SCREW-TAPTITE	*	1	X	

6-7 Fuser Ass'y

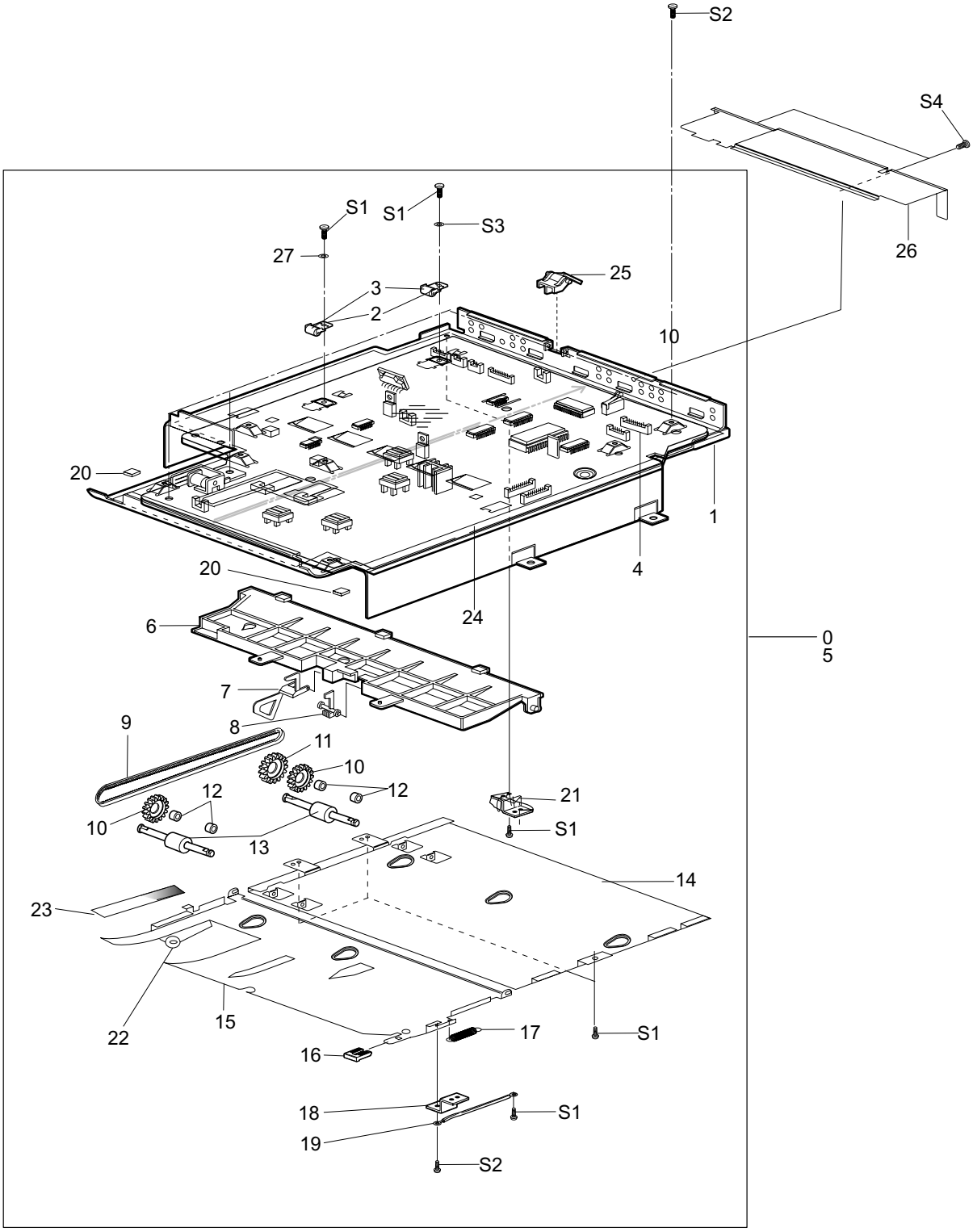


Fuser Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
0 ⚠	ELA HOU-FUSER 220V	JC96-02033A	1	O	220V
	ELA HOU-FUSER 110V	JC96-02034A	1	O	110V
1	IPR-ELECTRODE FU/L	*	1	X	
2	IPR-ELECTRODE FU R	*	1	X	
3	IPR-ELECTRODE M	*	1	X	
4	PMO-COVER FUSER UP	*	1	X	
5	PMO-CAP TERMINAL	*	1	X	
6	IPR-SPR THERMISTOR	*	1	X	
7	THERMISTOR-NTC	1404-001121	1	O	
8	THERMOSTAT-150C	4712-000001	1	O	
9	RCT-ROLLER HEAT	JC73-30904A	1	O	
10	MEA ROLLER PR	JC75-00101A	1	O	
11	SPRING-P/R	*	2	X	
12	SPRING-RAIL	*	2	X	
13	BEARING-PRESSURE/R	JC66-10901A	2	O	
14	BEARING-H/R L	JC66-10902A	1	O	
15	BEARING-H/R R	JC66-10903A	1	O	
16	GEAR-FUSER	JC66-40913A	1	O	
17	IPR-FRAME FUSER	*	1	X	
18	PMO-GUIDE FRONT	*	1	X	
19	PMO-RAIL FUSER L	*	1	X	
20	PMO-RAIL FUSER R	*	1	X	
21	SPRING-ACTUATOR	*	1	X	
22	PMO-ACTUATOR EXIT	*	1	X	
23	PMO-GUIDE REAR	*	1	X	
24	SPRING-SAPERATION	*	4	X	
25	BEARING-EXIT FU L	*	1	X	
26	BEARING-EXIT FU	*	1	X	
27	PMO-GUIDE CLAW	*	4	X	
28	PMO-COVER FUSER LOW	*	1	X	
29	ROLLER-EXIT	*	3	X	
30	SPRING-FUSER EXIT	*	3	X	
31	RCT-ROLLER EXIT FU	*	1	X	
32	GEAR-EXIT/U,ID	*	2	X	
33	GEAR-EXIT,IDLE(Z17)	*	2	X	
34	PMO-BRKT FUSER GEAR	*	1	X	
35 ⚠	LAMP-HALOGEN 220V	4713-001072	1	O	220V
	LAMP-HALOGEN 110V	4713-001073	1	O	110V
36	RING-CS	*	4	X	
37	GEAR-EXIT	*		X	
S1	SCREW-TAPTITE	*		X	
S2	SCREW-TAPTITE	*		X	
S3	SCREW-TAPTITE	*		X	
S4	SCREW-TAPTITE	*		X	
S5	SCREW-TAPTITE	*		X	

⚠ *Indicate part is for electrical safety components*

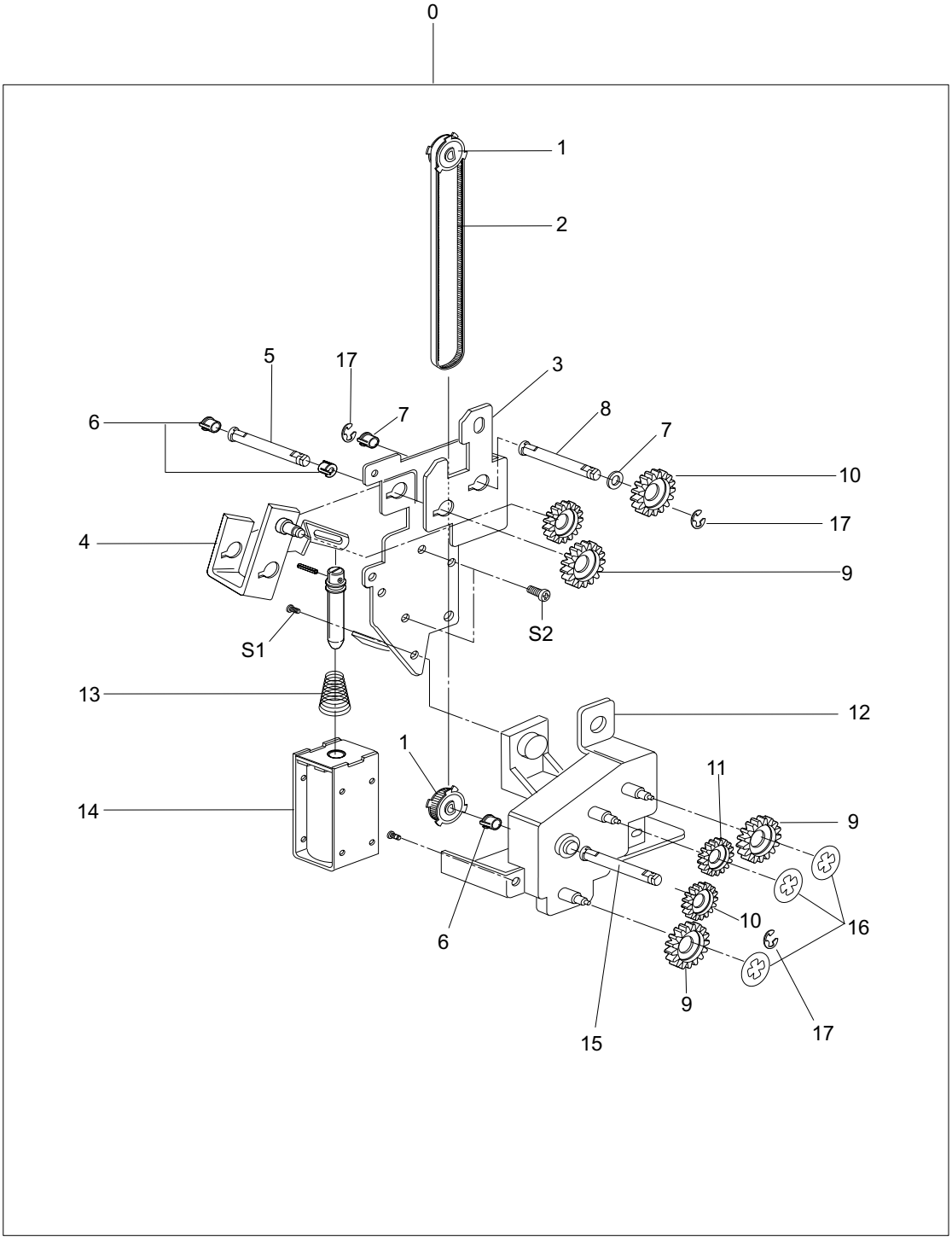
6-8. Shield Ass'y



Shield Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
O	ELA HOU-ENGINE_7300	*	1	X	
1	IPR-SHIELD PCB	*	1	X	
2	IPR-SPRING UPPER DP	*	2	X	
3	PMO-ROLLER UPPER DP	*	2	X	
4	PBA MAIN-ENGINE_7300	JC92-01211A	1	O	
5	MEA UNIT-SHIELD PCU	JC97-01040B	1	O	
6	PMO-GUIDE UPPER DP	*	1	X	
7	PMO-ACTUATOR EMPTY	*	1	X	
8	PMO-ACTUATOR FRONT DP	*	1	X	
9	BELT-TIMMING	*	1	X	
10	PMO-PULLEY DUPLEX	*	2	X	
11	GEAR-DUPLEX	*	1	X	
12	PMO-BEARING LARGE DP	*	4	X	
13	RCT-ROLLER LOWER DP	*	2	X	
14	IPR-GUIDE DUPLEX	*	1	X	
15	IPR-GUIDE FRONT DP	*	1	X	
16	PMO-LEVER OPEN DP	*	1	X	
17	SPRING-FRONT DP	*	1	X	
18	IPR-BRKT SUPPORTER	*	1	X	
19	CBF HARNESS-DPLX GND	*	1	X	
20	RPR-CUSHION GUIDE	*	1	X	
21	IPR-BRKT IDLE ROLLER	*	1	X	
22	PMO-IDLE ROLLER	*	1	X	
23	IPR-SHEET FRONT DP	*	1	X	
24	PPR-INSULATOR PCU	*	1	X	
25	PMO-ACTUARTOR REAR. PD	*	1	X	
26	IPR COVER PCB	*	1	X	
S1	SCREW-TAPTITE	*		X	
S2	SCREW-TAPTITE	*		X	
S3	SCREW-TAPTITE	*		X	
S4	SCREW-TAPTITE	*		X	

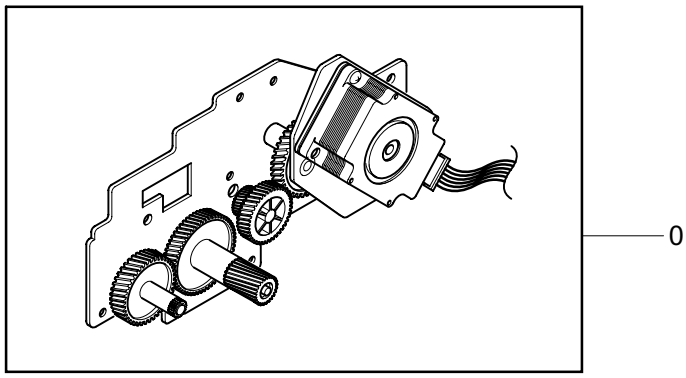
6-9. Bracket Duplex Ass'y

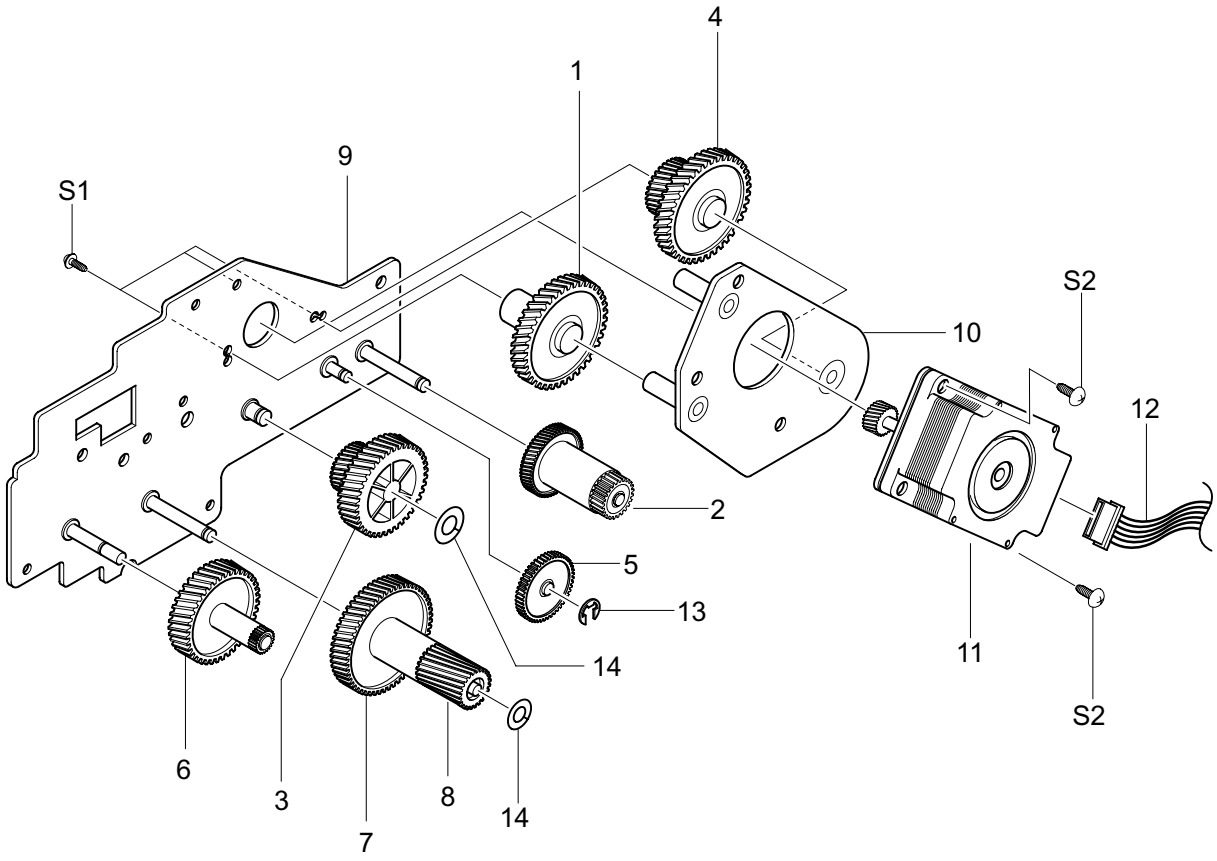


Bracket Duplex Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
0	ELA HOU-BRKT DUPLEX	JC96-01056A	1	O	
1	PMO-PULLEY DUPLEX	*	2	X	
2	BELT-TIMMING	*	1	X	
3	IPR-BRKT DUPLEX	*	1	X	
4	IPR-LINK DUPLEX	*	1	X	
5	ICT-SHAFT SWING	*	1	X	
6	PMO-BEARING LARGE DP	*	4	X	
7	"PMO-BEARING SMALL,DP"	*	2	X	
8	ICT-SHAFT BELT	*	1	X	
9	"GEAR-DP,IDLE"	*	2	X	
10	GEAR-DUPLEX	*	2	X	
11	"GEAR-EXIT/U,ID"	*	1	X	
12	PMO-BRKT GEAR LOWER	*	1	X	
13	SPRING-SOLENOID DP	*	1	X	
14	SOLENOID-DUPLEX	*	1	X	
15	ICT-SHAFT BELT2	*	1	X	
16	RING-CS	*	3	X	
17	RING-E	*	1	X	
S1	SCREW-TAPTITE	*		X	
S2	SCREW-TAPTITE	*		X	

6-10. Bracket Motor Ass'y

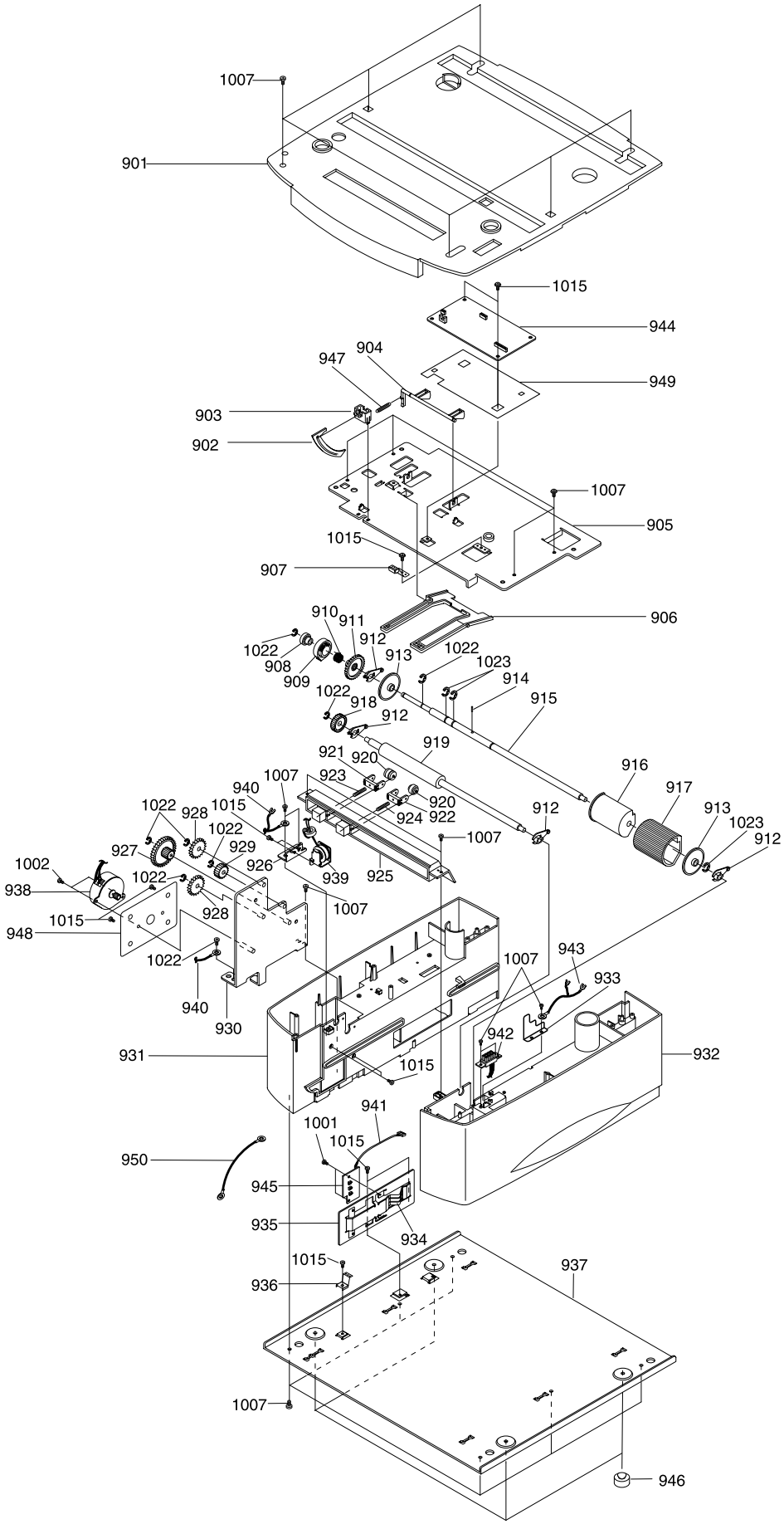




Bracket Motor Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
0	ELA HOU-BRKT MOTOR	JC96-01951A	1	O	
1	GEAR-IDLE 27	*	1	X	
2	GEAR-FUSER DRIVE	*	1	X	
3	GEAR-RDCN OPC	*	1	X	
4	GEAR-118/23	*	1	X	
5	GEAR-IDLE FU	*	1	X	
6	GEAR-FEED DRIVE	*	1	X	
7	GEAR-OPC DRV(12)	*	1	X	
8	GEAR-OPC DRV2	*	1	X	
9	IPR-BRACKET(MOTOR 21)	*	1	X	
10	IPR-BRACKET MOTOR J	*	1	X	
11	MOTOR-STEP	3101-001226	1	O	
12	CBF HARNESS MOTOR	*	1	X	
13	RING-E	*	1	X	
14	WASHER-PLAIN	*	2	X	
S1	SCREW-MACHINE	*	3	X	
S2	SCREW-MACHINE	*	2	X	

6-11. Frame SCF Ass'y



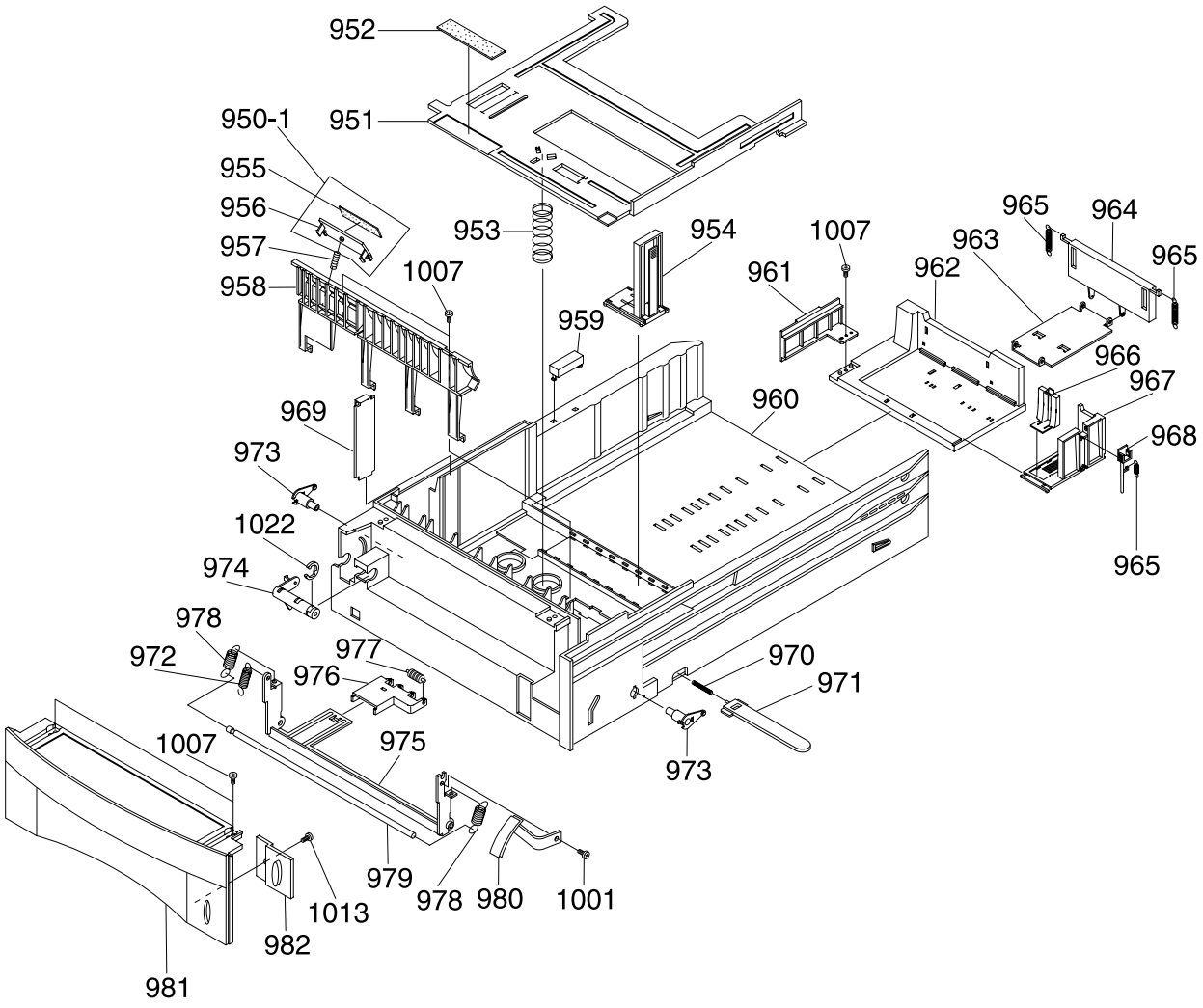
Frame SCF Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
900	MEA RACK-SCF ASS'Y	*	1	X	
900-1	MEA RACK-FRAME SCF	*	1	X	
902	PMO-SENSOR LEVER	*	1	X	
903	PMO-SENSOR FRAME	*	1	X	
904	PMO-ARM ENV	*	1	X	
905	IPR-CASE TOP	*	1	X	
906	PMO-GUIDE ENV	*	1	X	
907	IPR-GROUND TOP	*	1	X	
908	PMO-HUB_CLUTCH	*	1	X	
909	PMO-COLLAR_CLUTCH_PI	*	1	X	
910	"SPRING-TS, CLUTCH"	*	1	X	
911	GEAR-P/UP OPTION	*	1	X	
912	PMO-BEARING SHAFT	*	3	X	
912	PMO-BEARING SHAFT	*	1	X	
913	PMO-IDLE PICKUP	*	1	X	
914	"ICT-PIN_PARELLED,P/U"	*	1	X	
915	ICT-SHAFT PICK UP	*	1	X	
916	PMO-P/UP HOUSING	*	1	X	
917	RPR-PICK UP ROLL	*	1	X	
918	GEAR-FEED (SCF)	*	1	X	
919	RPR-FEED ROLLER	*	1	X	
920	PMO-IDLE FEED	*	2	X	
921	PMO-IDLE FRAME	*	1	X	
922	PMO-IDLE FRAME1	*	1	X	
923	SPRING-IDLE 1	*	1	X	
924	SPRING-IDLE 2	*	1	X	
925	PMO-GUIDE PAPER2	*	1	X	
926	IPR-SCF SOLENOID	*	1	X	
927	GEAR-IDLE(SCF)	*	1	X	
928	GEAR-IDLE(Z=30)	*	2	X	
929	GEAR-IDLE 19	*	1	X	
930	IPR-SCF MOTOR	*	1	X	
931	PMO-FRAME LEFT	*	1	X	
932	PMO-FRAME RIGHT	*	1	X	
933	IPR-GROUND FEED	*	1	X	
934	IPR-PUSH PLT SPRING	*	1	X	
935	IPR-BRKT PAPER SIZE	*	1	X	
936	IPR-GROUND BOTTOM	*	1	X	
937	IPR-CASE BOTTOM	*	1	X	
938	MOTOR-SCF	*	1	X	
939	SOLENOID-MAGNET	*	1	X	
940	CBF HARNESS-SCF MOT	*	1	X	
941	CBF HARNESS-SCF CST	*	1	X	
942	CBF HARNESS-SCF OPT	*	1	X	
943	CBF HARNESS-SCF FEED	*	1	X	
944	PBA SUB-SCF OPT	*	1	X	
945	PBA SUB-CASSETTE	*	1	X	
946	FOOT-RUBBER SCF	*	4	X	
947	"SPRING-IDLE,SCF"	*	1	X	
948	IPR-SCF MOTOR 1	*	1	X	
949	IPR-INSULATOR SCF	*	1	X	
950	CBF HARNESS-SCF GND	*	1	X	
1001	SCREW-MACHINE	*	2	X	
1002	SCREW-MACHINE	*	3	X	
1007	SCREW-TAPTITE	*	2	X	

Frame SCF Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
1007	SCREW-TAPTITE	*	2	X	
1007	SCREW-TAPTITE	*	6	X	
1007	SCREW-TAPTITE	*	1	X	
1007	SCREW-TAPTITE	*	2	X	
1007	SCREW-TAPTITE	*	6	X	
1007	SCREW-TAPTITE	*	2	X	
1007	SCREW-TAPTITE	*	4	X	
1015	SCREW-TAPTITE	*	1	X	
1015	SCREW-TAPTITE	*	1	X	
1015	SCREW-TAPTITE	*	2	X	
1015	SCREW-TAPTITE	*	2	X	
1015	SCREW-TAPTITE	*	2	X	
1015	SCREW-TAPTITE	*	2	X	
1015	SCREW-TAPTITE	*	1	X	
1015	SCREW-TAPTITE	*	2	X	
1015	SCREW-TAPTITE	*	4	X	
1022	RING-E	*	1	X	
1022	RING-E	*	4	X	
1022	RING-E	*	2	X	
1023	RING-E	*	3	X	

6-12. Cassette SCF Ass'y



Cassette SCF Ass'y Parts List

Location NO.	Description	SEC.Code	Q'ty	A/S	Remark
950	MEA RACK-CAST SCF	*	1	X	
951	IPR-KNOCK UP(SCF)	*	1	X	
952	RPR-CORK KNOCKUP	*	1	X	
953	SPRING-SCF K/UP	*	1	X	
954	PMO-GUIDE SIDE	*	1	X	
955	RPR-CORK PAD	*	1	X	
956	PMO-FRAME PAD	*	1	X	
957	SPRING-PAD	*	1	X	
958	PMO-GUIDE PAPER1	*	1	X	
959	PMO-DUMMY ENV	*	1	X	
963	IPR-PLATE LEVER	*	1	X	
964	PMO-LEVER REAR	*	1	X	
965	"SPRING-IDLE,SCF"	*	3	X	
966	PMO-GUIDE REAR3	*	1	X	
967	PMO-GUIDE REAR2	*	1	X	
968	PMO-GUIDE LOCK	*	1	X	
969	IPR-PLATE PAPER	*	1	X	
970	"SPRING-LOCKER,PLATE"	*	1	X	
971	PMO-LOCKER PLATE	*	1	X	
972	SPRING-SCF LEVER	*	1	X	
973	PMO-BUSH K/UP	*	2	X	
974	PMO-LINK LEVER	*	1	X	
975	IPR-PLATE SUB K/UP	*	1	X	
976	PMO-CAP PLATE K/UP	*	1	X	
977	PMO-ROLLER FD R	*	1	X	
978	SPRING-SUB PLATE	*	2	X	
979	ICT-SHAFT SPR K/UP	*	1	X	
980	PMO-LEVER PAPER S	*	1	X	
981	PMO-SUB GUIDE CAST	*	1	X	
982	PMO-WINDOW PAPER	*	1	X	
1001	SCREW-MACHINE	*	1	X	
1007	SCREW-TAPTITE	*	1	X	
1007	SCREW-TAPTITE	*	2	X	
1007	SCREW-TAPTITE	*	2	X	
1013	SCREW-TAPTITE	*	1	X	
1022	RING-E	*	1	X	
950-1	MEA-RACK FRAME PAD	*	1	X	

7. Electrical Parts Lists

7-1. Main Engine PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION	
JC92-01211A			**PBA MAIN-ENGINE_7300**	
0401-000005	"D1,D2,D3,D4,D5"	5	DIODE-SWITCHING	"1N4148,100V,200MA,DO-35,TP"
0401-000005	"D18,D20,D24,D26,D27"	5	DIODE-SWITCHING	"1N4148,100V,200MA,DO-35,TP"
0401-000005	"D501,D502,D503,D504,D506"	5	DIODE-SWITCHING	"1N4148,100V,200MA,DO-35,TP"
0401-000005	"D507,D508,D509,D510,D511"	5	DIODE-SWITCHING	"1N4148,100V,200MA,DO-35,TP"
0401-000005	"D513,D514"	2	DIODE-SWITCHING	"1N4148,100V,200MA,DO-35,TP"
0401-000005	"D7,D8,D9,D10,D11"	5	DIODE-SWITCHING	"1N4148,100V,200MA,DO-35,TP"
0402-000129	"D6,D12,D13,D505,D512"	5	DIODE-RECTIFIER	"1N4003,200V,1A,DO-41,TP"
0402-000468	"D19,D22,D23,D25"	4	DIODE-RECTIFIER	"ESJS58-06,6KV,2mA,DO-201"
0402-001193	"D14,D15,D16,D17,D21"	5	DIODE-RECTIFIER	"SHV-04,4KV,20mA,-,TP"
0403-000356	"ZD2,ZD4,ZD6"	3	DIODE-ZENER	"UZ5.6BCB,5.6V,5.46-5.7V,500mW,"
0403-000475	ZD1	1	DIODE-ZENER	"1N5274B,130V,5%,500mW,DO-35,TP"
0403-000554	ZD3	1	DIODE-ZENER	"UZ7.5BM,7.2-7.7V,500mW,DO-35,T"
0403-001104	ZD5	1	DIODE-ZENER	"1N5281B,5%,500MW,DO-35,TP"
0501-000010	"Q1,Q4,Q6,Q8,Q9"	5	TR-SMALL SIGNAL	"KSC1008,NPN,800mW,TO-92,TP,120"
0501-000010	"Q10,Q11,Q12,Q17,Q18"	5	TR-SMALL SIGNAL	"KSC1008,NPN,800mW,TO-92,TP,120"
0501-000010	"Q501,Q503,Q505,Q506"	4	TR-SMALL SIGNAL	"KSC1008,NPN,800mW,TO-92,TP,120"
0501-000294	"Q2,Q3,Q5"	3	TR-SMALL SIGNAL	"KSA708-Y,PNP,800mW,TO-92,TP,12"
0502-000245	Q504	1	TR-POWER	"KSB1151-Y,PNP,1.3W,TO-126,-,16"
0502-001048	Q7	1	TR-POWER	"KSD1691,NPN,1.3W,TO-126,BK,160"
0502-001124	"Q13,Q16"	2	TR-POWER	"KSD526,NPN,30W,TO-220,BK,120-2"
0604-001033	"OP2,OP3"	2	PHOTO-INTERRUPTER	"TR,-,150mW,DIP-4,ST"
0604-001093	OP1	1	PHOTO-INTERRUPTER	"TR,-,75mW,DIP-4,BK"
0604-001106	"OP4,OP5"	2	PHOTO-INTERRUPTER	"TR,25%-,-,-,BK"
0801-000019	U10	1	IC-CMOS LOGIC	"74HC10,NAND GATE,DIP,14P,300MI"
0801-000528	U11	1	IC-CMOS LOGIC	"74HCT574,D FLIP-FLOP,DIP,20P,3"
0801-000722	"U6,U7"	2	IC-CMOS LOGIC	"74HC245,TRANSCEIVER,DIP,20P,30"
0801-001262	U3	1	IC-CMOS LOGIC	"74HC4060,BINARY COUNTER,DIP,16"
0803-000679	U5	1	IC-TTL	"7406,BUFFER/DRIVER,DIP,14P,300"
0903-000219	U8	1	IC-MICROCOMPUTER	"88C4316,8BIT,DIP,64P,-,8MHz,ST"
1003-001152	U2	1	IC-MOTOR DRIVER	"SLA7026M(LF871),ZIP,18P,-,SING"
1103-001045	U9	1	IC-EEPROM	"27E512,64Kx8BIT,DIP,28P,600MIL"
1201-000229	U4	1	IC-OP AMP	"324,DIP,14P,300MIL,QUAD,100V/m"
1202-000103	U12	1	IC-VOLTAGE COMP.	"393,DIP,8P,300MIL,DUAL,36V,CMO"
1203-000259	U1	1	IC-POSI.FIXED REG.	"7818,TO-220,3P,-,PLASTIC,17.3/"
1404-001141	TH501	1	THERMISTOR-NTC	"5.6Kohm,5%,3200K,2.1mW/C,TP"
2001-000003	"R145,R146"	2	R-CARBON	"330ohm,5%,1/8W,AA,TP,1.8x3.2mm"
2001-000003	"R40,R41,R42,R43,R135"	5	R-CARBON	"330ohm,5%,1/8W,AA,TP,1.8x3.2mm"
2001-000005	"R130,R133"	2	R-CARBON	"390ohm,5%,1/8W,AA,TP,1.8x3.2mm"
2001-000006	"R1,R9"	2	R-CARBON	"2.4KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000008	"R154,R156,R159,R505"	4	R-CARBON	"15KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000008	"R25,R80,R86,R89,R105"	5	R-CARBON	"15KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000012	R16	1	R-CARBON	"680KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000019	"R122,R129"	2	R-CARBON(S)	"10OHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-000022	R29	1	R-CARBON(S)	"33OHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-000085	"R162,R163,R180"	3	R-CARBON(S)	"100KOHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-000096	"R48,R82,R91,R92,R116"	5	R-CARBON(S)	"1MOHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-000221	R72	1	R-CARBON	"1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000273	"R56,R100"	2	R-CARBON	"100KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000281	"R110,R134,R165,R166,R178"	5	R-CARBON	"100OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000281	"R179,R508"	2	R-CARBON	"100OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000281	"R26,R49,R71,R81"	4	R-CARBON	"100OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000281	"R87,R88,R95,R102,R103"	5	R-CARBON	"100OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R101,R111,R121,R139,R141"	5	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R142,R143,R181,R182,R183"	5	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R19,R20,R21,R22,R27"	5	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R46,R50,R58,R59,R60"	5	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R509,R511"	2	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"

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SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION	
2001-000290	"R514,R30,R37,R39"	4	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R74,R75,R76,R77"	4	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R93,R94,R96,R97"	4	R-CARBON	"10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000362	"R155,R175,R506"	3	R-CARBON	"150OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000362	"R24,R79,R85,R90,R104"	5	R-CARBON	"150OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000429	R157	1	R-CARBON	"1KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000429	R32	1	R-CARBON	"1KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000429	"R61,R73,R78,R107,R140"	5	R-CARBON	"1KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000449	"R33,R47,R125,R126"	4	R-CARBON	"2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000515	"R108,R109,R120,R138"	4	R-CARBON	"220OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000660	"R15,R38,R167"	3	R-CARBON	"33KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000734	R177	1	R-CARBON	"4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000761	"R164,R113"	2	R-CARBON	"430OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000786	"R117,R151"	2	R-CARBON	"47KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000786	"R2,R10,R14,R53,R114"	5	R-CARBON	"47KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000793	J34	1	R-CARBON	"47OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000812	"R158,R501,R512"	3	R-CARBON	"5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000812	"R45,R62,R63,R144,R170"	5	R-CARBON	"5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000832	"R112,R176"	2	R-CARBON	"510OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000832	"R51,R52,R64,R84"	4	R-CARBON	"510OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000864	R150	1	R-CARBON	"56KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000935	R502	1	R-CARBON	"68OHM,5%,1/4W,AA,TP,2.4X6.4MM"
2001-001093	R510	1	R-CARBON(S)	"2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-001145	"R131,R132,R147,R173,R186"	5	R-CARBON(S)	"4.7MOHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-001165	"R98,R99"	2	R-CARBON(S)	"56OHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-001252	"R136,R152,R153,R160,R161"	5	R-CARBON(S)	"2MOHM,5%,1/2W,AA,TP,2.4X6.4MM"
2001-001408	"R115,R123,R124"	3	R-CARBON(S)	"3.3MOHM,5%,1/2W,AA,TP,2.4X6.4MM"
2003-000005	R149	1	R-METAL OXIDE(S)	"1ohm,5%,2W,AA,TP,4x12mm"
2003-002116	"R7,R8"	2	R-METAL OXIDE(S)	"0.68ohm,5%,3W,AA,TP,15x5.5mm"
2003-002166	R28	1	R-METAL OXIDE(S)	"100OHM,5%,1W,AA,TP,2.4X6.4MM"
2004-000002	"R31,R34"	2	R-METAL	"78.7Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-000003	R57	1	R-METAL	"16.2Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-000269	R23	1	R-METAL	"120ohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-000342	R65	1	R-METAL	"158Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-000345	R54	1	R-METAL	"15Kohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-000385	R6	1	R-METAL	"17.4Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-000433	R168	1	R-METAL	"1Kohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-000544	R17	1	R-METAL	"21.5Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-000581	R70	1	R-METAL	"22Kohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-000658	R67	1	R-METAL	"27Kohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-000699	"R137,R172"	2	R-METAL	"3.3Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-000754	R106	1	R-METAL	"309Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-000884	R171	1	R-METAL	"4.3Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-000900	R169	1	R-METAL	"4.7Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-000965	R18	1	R-METAL	"470Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-001023	R36	1	R-METAL	"5.6Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-001052	R44	1	R-METAL	"510ohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-001156	R3	1	R-METAL	"619Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-001231	"R5,R12,R55"	3	R-METAL	"75Kohm,1%,1/8W,AA,TP,1.8x3.2mm"
2004-001315	R66	1	R-METAL	"86.6Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-001330	R69	1	R-METAL	"9.1Kohm,1%,1/8W,AA,TP,1.8x3.2m"
2004-001357	R68	1	R-METAL	"93.1Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-002001	"R11,R13"	2	R-METAL	"12.1Kohm,1%,1/8W,AA,TP,1.8x3.2"
2004-004234	"R4,R35"	2	R-METAL	"56.2Kohm,1%,1/8W,AA,TP,1.8x3.2"
2008-001125	J125	1	R-FUSIBLE	"1ohm,5%,1/2W,AA,TP,2.4x6mm"
2009-001082	R148	1	R-METAL GLAZE	"30Mohm,2%,2W,-,BK,30x8.5mm"
2009-001083	R174	1	R-METAL GLAZE	"200Mohm,2%,1/2W,CM,BK,18x6mm"
2009-001084	R118	1	R-METAL GLAZE	"30Mohm,2%,0.5W,CM,BK,18x6mm"
2009-001085	R128	1	R-METAL GLAZE	"10Mohm,3%,1/2W,CM,BK,18x4mm"
2103-000156	VR2	1	VR-SEMI	"10Kohm,10%,1/2W,TOP"
2103-000270	"VR1,VR3"	2	VR-SEMI	"20Kohm,10%,1/2W,TOP"
2201-000003	"C50,C58"	2	"C-CERAMIC,DISC"	"0.068nF,10%,2kV,SL,TP,7x5,5"

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SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION	
2201-000004	C70	1	"C-CERAMIC,DISC"	"0.1nF,10%,2kV,SL,TP,8x5,5"
2201-000017	"C105,C108"	2	"C-CERAMIC,DISC"	"1nF,10%,50V,Y5P,TP,5x3.5,5"
2201-000017	"C48,C73,C74,C78,C93"	5	"C-CERAMIC,DISC"	"1nF,10%,50V,Y5P,TP,5x3.5,5"
2201-000017	"C7,C36,C37,C39,C42"	5	"C-CERAMIC,DISC"	"1nF,10%,50V,Y5P,TP,5x3.5,5"
2201-000017	"C94,C101,C102,C103"	4	"C-CERAMIC,DISC"	"1nF,10%,50V,Y5P,TP,5x3.5,5"
2201-000019	"C53,C100"	2	"C-CERAMIC,DISC"	"10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5"
2201-000119	"C10,C11,C21,C31,C32"	5	"C-CERAMIC,DISC"	"100nF,+80-20%,50V,Y5V,TP,8x3,5"
2201-000119	"C35,C38,C41,C43,C47"	5	"C-CERAMIC,DISC"	"100nF,+80-20%,50V,Y5V,TP,8x3,5"
2201-000119	"C49,C60,C66,C72,C75"	5	"C-CERAMIC,DISC"	"100nF,+80-20%,50V,Y5V,TP,8x3,5"
2201-000119	"C501,C503,C504,C505"	4	"C-CERAMIC,DISC"	"100nF,+80-20%,50V,Y5V,TP,8x3,5"
2201-000119	"C81,C85,C88,C90,C107"	5	"C-CERAMIC,DISC"	"100nF,+80-20%,50V,Y5V,TP,8x3,5"
2201-000138	"C27,C28,C83"	3	"C-CERAMIC,DISC"	"100pF,10%,50V,Y5P,TP,4.0X4.0,2"
2201-000138	"C91,C95,C104"	3	"C-CERAMIC,DISC"	"100pF,10%,50V,Y5P,TP,4.0X4.0,2"
2201-000177	"C15,C16,C17,C18"	4	"C-CERAMIC,DISC"	"10nF,10%,50V,Y5P,TP,12x3.5,5"
2201-000177	"C22,C23,C24,C25,C26"	5	"C-CERAMIC,DISC"	"10nF,10%,50V,Y5P,TP,12x3.5,5"
2201-000177	"C40,C45,C46,C51,C86"	5	"C-CERAMIC,DISC"	"10nF,10%,50V,Y5P,TP,12x3.5,5"
2201-000177	"C87,C96"	2	"C-CERAMIC,DISC"	"10nF,10%,50V,Y5P,TP,12x3.5,5"
2201-000215	C20	1	"C-CERAMIC,DISC"	"0.12nF,5%,50V,NP0,TP,8.5x3,5"
2201-000326	"C3,C4,C19,C29,C30"	5	"C-CERAMIC,DISC"	"2.2nF,10%,50V,Y5P,TP,7x3,5"
2201-000391	"C33,C34,C79,C80"	4	"C-CERAMIC,DISC"	"0.022nF,5%,50V,SL,TP,5x3,5"
2201-000469	"C1,C6"	2	"C-CERAMIC,DISC"	"0.33nF,10%,500V,Y5P,TP,5.5x3,5"
2201-000473	"C8,C59,C61,C67,C68"	5	"C-CERAMIC,DISC"	"33nF,+80-20%,50V,Y5V,TP,5x4,5"
2201-000558	"C5,C12,C13"	3	"C-CERAMIC,DISC"	"0.47nF,10%,50V,Y5P,TP,5x3,5"
2201-000724	"C52,C57,C62,C63,C69"	5	"C-CERAMIC,DISC"	"470pF,0.1,3KV,Y5P,TP,8x5,5"
2201-002066	"C71,C76,C84,C92"	4	"C-CERAMIC,DISC"	"470pF,10%,6KV,Y5P,TP,10x7,10"
2201-002067	C77	1	"C-CERAMIC,DISC"	"100pF,10%,6KV,Y5P,TP,8x7,10"
2202-000109	"C65,C99,C502"	3	"C-CERAMIC,MLC-AXIAL"	"100NF,+80-20%,50V,Y5V,TP,1.9X3.5MM,-"
2202-000173	"C97,C98"	2	"C-CERAMIC,MLC-AXIAL"	"1nF,10%,50V,Y5P,TP,1.9x3.5,-"
2401-001240	"C82,C89"	2	C-AL	"4.7uF,20%,25V,GP,TP,4x7mm,1.5m"
2401-001553	"C14,C44,C106"	3	C-AL	"47uF,20%,35V,GP,TP,6.3x7mm,2.5"
2401-002300	"C2,C9,C506,C507"	4	C-AL	"47uF,20%,50V,GP,TP,6.3x11,5"
2801-000140	X1	1	CRYSTAL-UNIT	"12MHz,50ppm,28-AAM,S,30ohm,-"
2801-003990	X2	1	CRYSTAL-UNIT	"2.983307MHz,50ppm,28-AAM,18pF,600ohm,BK"
3301-000344	"FB1,FB2,FB3,FB4,FB5"	5	CORE-FERRITE BEAD	"AA,-,3.5x0.6x6.5mm,-,-,Mn-Zn,-"
3301-000344	"FB6,FB7,FB8"	3	CORE-FERRITE BEAD	"AA,-,3.5x0.6x6.5mm,-,-,Mn-Zn,-"
3301-001015	"B1,B2,B3,J236"	4	CORE-FERRITE BEAD	"AA,70ohm,3.6x0.65x5mm,7000mA,TP,FERRITE,0.01ohm"
3405-000125	SW1	1	SWITCH-MICRO	"125V,5A,50gf,SPDT"
3704-000235	U9	1	SOCKET-IC	"28P,DIP,SN,2.54mm"
3711-000164	CN8	1	CONNECTOR-HEADER	"1WALL,2P,1R,2.5mm,STRAIGHT,SN"
3711-000434	"CN3,CN504"	2	CONNECTOR-HEADER	"3WALL,2P,1R,2.5mm,STRAIGHT,SN"
3711-000470	"CN4,CN7"	2	CONNECTOR-HEADER	"3WALL,4P,1R,2mm,STRAIGHT,SN"
3711-000904	CN506	1	CONNECTOR-HEADER	"BOX,3P,1R,2.5mm,STRAIGHT,SN"
3711-001040	CN1	1	CONNECTOR-HEADER	"3WALL,6P,1R,2.5mm,STRAIGHT,SN"
3711-001108	CN503	1	CONNECTOR-HEADER	"BOX,8P,1R,2mm,STRAIGHT,SN"
3711-002000	CN9	1	CONNECTOR-HEADER	"BOX,18P,2R,2mm,STRAIGHT,SN"
3711-002001	"CN6,CN501"	2	CONNECTOR-HEADER	"-,20P,2R,2mm,STRAIGHT,SN"
3711-003823	CN5	1	CONNECTOR-HEADER	"BOX,16P,2R,2.5mm,STRAIGHT,SN"
3711-003968	"CN2,CN505"	2	CONNECTOR-HEADER	"BOX,3P,1R,2.5mm,STRAIGHT,SN"
3711-003969	CN502	1	CONNECTOR-HEADER	"BOX,2P,1R,2.5mm,STRAIGHT,SN"
3711-003981	CN10	1	CONNECTOR-HEADER	"BOX,28P,2R,2mm,STRAIGHT,SN"
JC26-20301B	"T1,T2,T4"	3	TRANS AF-	"ML-80,-,95MH"
JC26-30506A	T3	1	TRANS POWER-THV	"ML-7000,-,57.5/1.3uH,180mH"
JC33-10501B	L1	1	SOLENOID-6000	"ML-6000,24VDC,72W,57,39X39X22,"
JC39-40511A	"B4,B5,B6,B7,B8"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J1,J2,J5,J6,J7"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J101,J102,J103,J104,J105"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J106,J107,J108,J109,J110"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J111,J112,J113,J114,J115"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J116,J117,J118,J119,J120"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J121,J123,J124"	3	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"

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JC39-40511A	"J126,J127,J128,J129,J130"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J131,J132,J133,J134,J135"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J136,J137,J138,J139,J140"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J141,J142,J143,J144,J145"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J146,J147,J148,J149,J150"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J15,J16,J18,J19,J20"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J151,J152,J153,J154,J155"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J159,J160,J161,J162,J163"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J164,J165,J166,J167,J169"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J170,J171,J172,J173,J175"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J178,J181,J182,J184"	4	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J186,J187,J188,J189,J192"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J193,J194,J195,J196,J198"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J199,J200,J201,J202,J204"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J205,J207,J208,J209,J210"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J21,J22,J23,J24,J25"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J211,J212,J214,J216,J217"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J218,J219,J220,J221,J222"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J223,J224,J225,J226,J227"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J229,J230,J231,J232,J233"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J234,J235,J237,J238"	4	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J239,J240,J241,J242,J243"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J244,J245,J246,J247,J248"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J249,J250,J251,J252,J253"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J254,J501,J502,J503,J504"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J26,J27,J28,J29,J30"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J31,J32,J33,J35,J36"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J37,J38,J39,J40,J41"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J42,J43,J44,J46"	4	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J47,J48,J49,J50,J51"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J505,J506,J507,J508,J509"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J510,J511,J512,J513,J514"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J515,J516,J518,J519"	4	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J52,J53,J54,J55,J56"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J57,J58,J59,J60,J61"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J62,J63,J64,J65,J66"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J67,J68,J69,J70,J71"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J72,J73,J74,J75,J76"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J78,J79,J80,J81"	4	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J8,J9,J12,J13,J14"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J82,J83,J84,J85,J86"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J87,J88,J89,J90,J91"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J92,J93,J94,J95,J96"	5	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"J97,J98,J99,J100"	4	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"JS1,JS4,JS5"	3	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC39-40511A	"R83,R185,R503"	3	CBF HARNESS-	"ML-80,JUMPER,AWG22,52mm,SILVER"
JC41-00043A		1	PCB-ENGINE	"ML-7300,FR-1,1L,1.6T,289x247mm"
JC70-10909A	"TP1,TP2,TP3,TP4,TP5"	5	IPR-CONNECTOR HV	"ML-80,AL,T0.8,-"
JC96-01379A	"Q14,Q15"	1	ELA HOU-H/SINK "ML-7000/NEC,NEC,USA,HEAT-SINK,ENGINE B'D,"	
JC96-01944A		1	ELA UNIT-HEAT-SINK (526L)"ML-5000A,SAMSUNG,KOREA,-,-,-,-"	
0502-001124	Q203	1	TR-POWER	"KSD526,NPN,30W,TO-220,BK,120-2"
6003-000119		1	SCREW-TAPTITE	"BH,+,B,M3,L8,CBLACK,SWRCH18A"
JC62-30001A	HS202	1	HEAT SINK-TRANS	"ML-80,AL,-"
JC96-01945A		1	ELA UNIT-HEAT-SINK (526S)"ML-5000A,SAMSUNG,KOREA,-,-,-,-"	
0502-001124	Q201	1	TR-POWER	"KSD526,NPN,30W,TO-220,BK,120-2"
6003-000269		1	SCREW-TAPTITE	"BH,+,S,M3,L6,ZPC(YEL),SWRCH18A"
JF62-30201A	HS201	1	HEAT SINK	"HVPS,SPCC,t1.0"
JF68-30527N	U9	1	LABEL(R)-BAR CODE	"SF500,PY,20X10,T0.1,WHT"

7-2. Main Controller PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
JC92-01282A			**PBA MAIN-CONTROLLER**
0801-001072	"U6,U7,U35"	3	IC-CMOS LOGIC "74ACT32,OR GATE,SOP,14P,150MIL"
0803-000103	U34	1	IC-TTL "74F08,AND GATE,SOP,14P,150MIL,"
0803-000116	"U38,U39"	2	IC-TTL "74F157,MUTIPLEXER,SOP,16P,150M"
0803-000118	"U31,U32"	2	IC-TTL "74F14,INVERTER,SOP,14P,150MIL,"
0803-000272	U8	1	IC-TTL "74F04,INVERTER,SOP,14P,150MIL,"
0803-000303	U21	1	IC-TTL "74F74,D FLIP-FLOP,SOP,14P,150M"
0803-001381	"U4,U11"	2	IC-TTL "74F273,D FLIP-FLOP,SOP,20P,300"
0803-003058	U9	1	IC-TTL "74F1071,ESD,SOP,20P,-,-,TP,PLA"
1006-000243	"U10,U12"	2	IC-LINE TRANSCEIVER"74ACT245,SOP,20P,-,OCTAL,ST,PL"
1103-000133	U1	1	IC-EEPROM "93C66,256x16BIT,SOP,8P,150MIL,"
1105-001252	"U18,U24"	2	IC-DRAM"416C4104,4MX16BIT,TSOP,50P,400MIL,50NS,5V,10%, PLASTIC,0TO+70C,2MA,CMOS,ST"
1107-001121	"U3,U13"	2	IC-FLASH MEMORY"29F800,1Mx8/512Kx16Bit,TSOP,48P,787MIL, 70nS,5V,10%,PLASTIC,0to+70C,100uA,CMOS,ST"
1203-000496	U36	1	IC-VOL. SUPERVISORY"7705,SOP,8P,150MIL,PLASTIC,20V"
1203-001026	"U16,U17"	2	IC-POSI.FIXED REG."33269,DPAK,3P,265MIL,PLASTIC,3.37/3.33V40TO+150C,
2007-000029	"R130,R147"	2	R-CHIP "0OHM,5%,1/10W,DA,TP,2012"
2007-000029	"R14,R31,R156,R157,R201,R242"	6	R-CHIP "0OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R132,R142,R143,R144,R153"	5	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R154,R155,R159,R161,R162"	5	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R163,R178,R179,R180,R181"	5	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R17,R59,R77,R86,R95,"	5	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R187,R221,R222,R224,R225"	5	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R226,R15,R27,R32"	4	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000300	"R1,R4,R5,R6,R7,R8"	6	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R100,R101,R106,R108,R109"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R110,R111,R118,R120,R122"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R123,R124,R125,R127,R128"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R133,R136,R139,R140,R149"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R150,R151,R158,R166,R167"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R168,R169,R170,R176,R200"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R2,R13,R16,R28,R33"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R210,R213,R214,R215,R216"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R217,R218,R219,R227,R228"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R229,R230,R241"	3	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R46,R58,R60,R64,R67"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R68,R69,R70,R71,R72"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R73,R74,R80,R81,R82"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R83,R85,R89,R90,R91"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R9,R10,R11,R36,R45"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000300	"R92,R93,R94,R98,R99"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000308	"R131,R174,R175,R184,R185"	5	R-CHIP "10OHM,5%,1/10W,DA,TP,2012"
2007-000308	"R188,R189,R190,R191,R196"	5	R-CHIP "10OHM,5%,1/10W,DA,TP,2012"
2007-000308	"R197,R198,R199"	3	R-CHIP "10OHM,5%,1/10W,DA,TP,2012"
2007-000312	"R62,R129"	2	R-CHIP "10OHM,5%,1/8W,DA,TP,3216"
2007-000449	R134	1	R-CHIP "180OHM,5%,1/10W,DA,TP,2012"
2007-000468	"R18,R19,R20,R21,R22,R23"	6	R-CHIP "1KOHM,5%,1/10W,DA,TP,2012"
2007-000468	"R24,R25,R26,R34,R35,R42"	6	R-CHIP "1KOHM,5%,1/10W,DA,TP,2012"
2007-000468	"R43,R44,R138,R202,R236,R237"	6	R-CHIP "1KOHM,5%,1/10W,DA,TP,2012"
2007-000493	R145	1	R-CHIP "2.2KOHM,5%,1/10W,DA,TP,2012"
2007-000781	"R104,R105,R107,R114,R115,R116"	6	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000781	"R117,R119,R121,R126,R137,R141"	6	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000781	"R12,R37,R38,R39,R40,R47"	6	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"

Main Controller PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
2007-000781	"R146,R148,R171,R172,R177"	5	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000781	"R192,R193,R194,R195"	4	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000781	"R48,R53,R54,R55,R56,R61"	6	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000781	"R63,R65,R66,R75,R76,R78"	6	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000781	"R79,R87,R88,R96,R97,R103"	6	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2007-000931	R212	1	R-CHIP "470OHM,5%,1/10W,DA,TP,2012"
2007-000964	"R41,R49,R50,R51,R52,R220"	6	R-CHIP "5.1KOHM,5%,1/10W,DA,TP,2012"
2007-001133	"R84,R152,R160,R173,R182"	5	R-CHIP "68OHM,5%,1/10W,DA,TP,2012"
2011-001094	"RA1,RA2,RA3,RA4,RA5,RA6"	6	R-NETWORK "39ohm,5%,63mW,L,CHIP,8P,TP"
2011-001094	"RA13,RA14,RA15,RA16"	4	R-NETWORK "39ohm,5%,63mW,L,CHIP,8P,TP"
2011-001094	"RA7,RA8,RA9,RA10,RA11,RA12"	6	R-NETWORK "39ohm,5%,63mW,L,CHIP,8P,TP"
2203-000192	"C1,C19,C20,C29,C34,C35"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C102,C103,C104,C105,C106,C107"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C108,C109,C111,C119,C120,C121"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C122,C123,C124,C125,C126,C129"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C132,C133,C138,C139,C140,C141"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C142,C144,C147,C148,C151,C157"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C158,C159,C160,C161,C162,C163"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C164,C167,C169,C171,C173,C174"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C175,C176,C177,C178,C179,C180"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C181,C183,C184,C185,C188,C189"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C190,C191,C192,C193,C196,C197"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C203,C212,C213,C13,C17,C59,C115"	7	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C235,C236,C237,C238"	4	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C36,C40,C41,C43,C44,C45"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C46,C48,C49,C62,C63,C64"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C65,C66,C67,C68,C69,C70"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C71,C72,C74,C75,C76,C80"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C82,C84,C85,C86,C87,C88"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C89,C90,C91,C92,C94,C95"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000192	"C96,C97,C98,C99,C100,C101"	6	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
2203-000239	"C150,C187,C38,C39,C51,C52"	6	"C-CERAMIC,CHIP" "0.1nF,5%,50V,NP0,TP,2012"
2203-000239	"C154,C170,C186,C194,C209"	5	"C-CERAMIC,CHIP" "0.1nF,5%,50V,NP0,TP,2012"
2203-000239	"C228,C233,C234"	3	"C-CERAMIC,CHIP" "0.1nF,5%,50V,NP0,TP,2012"
2203-000239	"C81,C118,C127,C152,C153"	5	"C-CERAMIC,CHIP" "0.1nF,5%,50V,NP0,TP,2012"
2203-000274	"C77,C78,C79,C83,C93"	5	"C-CERAMIC,CHIP" "0.01nF,0.25pF,50V,NP0,TP,2012"
2203-000389	"C113,C116,C137"	3	"C-CERAMIC,CHIP" "0.015nF,5%,50V,NP0,TP,2012"
2203-000455	"C14,C15,C16,C31,C42,C198,C232"	7	"C-CERAMIC,CHIP" "1nF,5%,50V,NP0,TP,2012"
2203-000455	"C2,C3,C4,C5,C6,C7,C8"	7	"C-CERAMIC,CHIP" "1nF,5%,50V,NP0,TP,2012"
2203-000455	"C9,C10,C11,C12,C221,C222"	6	"C-CERAMIC,CHIP" "1nF,5%,50V,NP0,TP,2012"
2203-000595	"C21,C22,C23,C24,C25,C26,C27,C28"	8	"C-CERAMIC,CHIP" "0.22nF,5%,50V,NP0,TP,2012"
2203-000634	"C110,C112,C130,C136,C143"	5	"C-CERAMIC,CHIP" "0.022nF,5%,50V,NP0,TP,2012"
2203-000661	C135	1	"C-CERAMIC,CHIP" "0.27nF,5%,50V,NP0,TP,2012"
2203-000818	"C134,C149,C156,C166"	4	"C-CERAMIC,CHIP" "0.033nF,5%,50V,NP0,TP,2012"
2203-000818	"C199,C200,C201,C202,C231"	5	"C-CERAMIC,CHIP" "0.033nF,5%,50V,NP0,TP,2012"
2203-000938	"C216,C217,C219,C220,C223"	5	"C-CERAMIC,CHIP" "0.47nF,5%,50V,NP0,TP,2012"
2203-000938	"C53,C54,C55,C56,C57,C58,C214"	7	"C-CERAMIC,CHIP" "0.47nF,5%,50V,NP0,TP,2012"
2203-001158	C168	1	"C-CERAMIC,CHIP" "0.068nF,5%,50V,NP0,TP,2012"
2404-000128	"C60,C131"	2	"C-TA,CHIP" "10uF,20%,16V,-,TP,6032,-"
2404-000468	"C18,C50,C73,C114,C165"	5	"C-TA,CHIP" "33uF,20%,16V,GP,TP,7343,-"
2404-000468	"C195,C210,C224"	3	"C-TA,CHIP" "33uF,20%,16V,GP,TP,7343,-"
2804-000380	OSC2	1	OSCILLATOR-CLOCK"50MHz,100ppm,10 TTL,-,5V,40mA"
2804-001387	OSC1	1	OSCILLATOR-CLOCK"78.45496MHz,50ppm,15pF&10TTL,BK,5V,40mA"
2901-001178	"LF1,LF2,LF4,LF5,LF8,LF9"	6	FILTER-EMI SMD "25V,2A,-,100000pF,2x1.25x1mm,TP"

Main Controller PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
2901-001178	"LF12,LF13,LF14,LF15,LF16"	5	FILTER-EMI SMD "25V,2A,-,100000pF,2x1.25x1mm,TP"
3301-000317	"B1,B2,B3,B4,B5,B6,B7,B8,"	8	CORE-FERRITE BEAD"AB,2x1.25x0.9mm,-,-"
3301-000317	"B9,B10,B11,B12,B13,B14,B15"	7	CORE-FERRITE BEAD"AB,2x1.25x0.9mm,-,-"
3301-000317	"L1,L2,L6"	3	CORE-FERRITE BEAD"AB,2x1.25x0.9mm,-,-"
3702-000118	J2	1	CONNECTOR-RIBBON"36P,FEMALE,ANGLE,AU"
3702-001090	CN2	1	CONNECTOR-RIBBON"60P,MALE,STRAIGHT,AUF"
3702-001104	J3	1	CONNECTOR-RIBBON"30P,FEMALE,STRAIGHT,AU"
3709-001027	"CN3,CN4,CN5"	3	CONNECTOR-CARD EDGE"72P,1.27mm,STRAIGHT,SN"
3711-002001	J1	1	CONNECTOR-HEADER"-,20P,2R,2mm,STRAIGHT,SN"
3711-003981	J4	1	CONNECTOR-HEADER"BOX,28P,2R,2mm,STRAIGHT,SN"
4701-001020	U23	1	FREQ-ATTENUATOR"5-80MHz,15dB,-,0.03W"
JC09-00001A	U19	1	IC MICRO COMPUTER-CPU "ML-6100,IBM25EMPPC603EPG-100,CQFP,240P,32X32MM"
JC11-10507A	U5	1	IC MASK ROM-HIGH"ML-165,KM23C8105DG,SOP,44P,600"
JC11-10510A	U14	1	"IC MASK ROM-PCL6,LOW""ml-165,KM23C8105DG,SOP,44P,600"
JC13-00002A	U27	1	IC-ASIC-SPGP1 "ML-7000,SPGP1,QFP,240P,34.6X4.15BSC"
JC13-00003A	U29	1	IC-ASIC-HYPER "ML-7000,SOP-9801A,PQFP,100P,20X14MM"
JC41-00044A	PCB	1	PCB-CONTROLLER"ML-7300,FR-4,4L,1.6T,180x210mm"
JF68-30527N	"U3,U13"	2	LABEL(R)-BAR CODE"SF500,PY,20X10,T0.1,WHT"

7-3. FLASH MEMORY PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
			PBA MAIN-FLASH MEMORY
JC94-01052A		1	PRA AUTO SMD "ML+7000XA,SEC,KOREA,POST SCRIPT SIMM,-,-,-"
0202-000108		0	SOLDER-CREAM "RMA-010 T-322,S63,-,-"
0801-001075	U5	1	IC-CMOS LOGIC "74ACT138,DEMUX,SOP,16P,150MIL,"
1107-001077	"U1,U2"	2	IC-FLASH MEMORY "29F800,512Kx16BIT,SOP,44P,512M"
2007-000029	"R1,R3,R8,R11"	4	R-CHIP "0OHM,5%,1/10W,DA,TP,2012"
2007-000290	R4	1	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000300	"R7,R12,R13"	3	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000781	R6	1	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2203-000192	"C1,C2,C5"	3	"C-CERAMIC,CHIP" "100nF,+80-20%,50V,Y5V,TP,2012,"
JC41-10514A	PCB-FLASH SIMM	1	PCB-FLASH SIMM "ML-165,FR-4,4L,1.6T,102.87*35"

7-4. PTL PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
			PBA SUB-PTL
0601-001244	"LD1~LD10"	10	LED "ROUND,RED,3mm,690nm"
0601-001244	"LD11~LD18"	8	LED "ROUND,RED,3mm,690nm"
JC39-40531A	CN1	1	CBF HARNESS-PTL "ML-165,-,UL1061,170mm,RED/WHT,"
JC94-00981A		1	PRA AUTO-PTL "ML-165,-,-,217.7X9mm,-,-,-"
2001-000937	"R1,R2"	2	R-CARBON "68ohm,5%,1/8W,AA,TP,1.8x3.2mm"
JC41-10519A	PCB	1	PCB-PTL "ML-165,FR-1,1L,T1.6mm,217.7X9m"

7-5. CASSETTE PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
			PBA SUB-CASSETTE
3711-003205	CN1	1	CONNECTOR-HEADER "BOX,4P,1R,2.0mm,STRAIGHT,SN"
JC94-00986A		1	PRA AUTO-CASSETTE "ML-165,-,-,35.51x52.3mm,-,-,-"
3404-000116	"SW1,SW2,SW3"	3	SWITCH-TACT "12V,50mA,160gf,6X6X3.6mm,SPST"
JC41-10517A	PCB	1	PCB-CASSETTE "ML-165,FR-4,2L,1.6mm,35.51*52."

7-6. POSTSCRIPT PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
		1	**PBA ETC-POSTSCRIPT**
0801-001075	U5	1	IC-CMOS LOGIC "74ACT138,DEMUX,SOP,16P,150MIL,"
1107-001121	"U1,U2,U3,U4"	4	IC-FLASH MEMORY "29F800,1Mx8/512Kx16Bit,TSOP,48P,787MIL, 70nS,5V,10%,PLASTIC,0to+70C,100uA,CMOS,ST"
2007-000029	"R1,R3,R9,R10"	4	R-CHIP "0OHM,5%,1/10W,DA,TP,2012"
2007-000290	"R4,R5"	2	R-CHIP "100OHM,5%,1/10W,DA,TP,2012"
2007-000300	"R7,R12,R13,R14,R15"	5	R-CHIP "10KOHM,5%,1/10W,DA,TP,2012"
2007-000781	R6	1	R-CHIP "33OHM,5%,1/10W,DA,TP,2012"
2203-000206	"C1,C2,C3,C4,C5"	5	"C-CERAMIC,CHIP" "100nF,10%,50V,X7R,TP,2012"
JC41-00048A	PS-3 PCB	1	PCB SUB-POSTSCRIPT "ML-6060,FR-4,4LAYER,1.6T,108x36mm"

7-7. DISP-PANEL PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
			PBA SUB DISP-PANEL
0601-000353	LED1	1	LED "ROUND,RED/Y-GRN,5mm,630/569nm"
3711-000595	CN1	1	CONNECTOR-HEADER"BOX,10P,1R,2mm,ANGLE,SN"
3711-000760	CN2	1	CONNECTOR-HEADER"BOX,20P,2R,2mm,ANGLE,SN"
JC94-00969A		1	PRA AUTO-PANEL "ML-165,SEC,USA,PCL6,-,-,-"
0501-000010	Q1	1	TR-SMALL SIGNAL "KSC1008,NPN,800mW,TO-92,TP,120"
2001-000111	R4	1	R-CARBON "150OHM,5%,1/4W,AA,TP,2.4X6.4MM"
2001-000281	"R3,R11"	2	R-CARBON "100OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R1,R2,R7"	3	R-CARBON "10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000323	R6	1	R-CARBON "120OHM,5%,1/4W,AA,TP,2.4X6.4MM"
2001-000832	R5	1	R-CARBON "510OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2202-000002	"C2,C4,C5,C7"	4	"C-CERAMIC,MLC-AXIAL""10nF,0.05,500V,X7R,TP,5.1x6.4x"
2401-001476	C1	1	C-AL "47uF,20%,10V,GP,TP,6.3x5mm,2.5"
3404-000116	"SW1~SW8"	8	SWITCH-TACT "12V,50mA,160gf,6X6X3.6mm,SPST"
JC39-40511A	"JP1,JP2,JP3,JP4,JP5,JP6"	6	CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER"
JC41-10511A		1	PCB-PANEL "ML-165,FR-1,IL,T1.6mm,77X75mm"

7-8. DISP-LCD PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
			PBA SUB DISP-LCD
3711-000595	CN10	1	CONNECTOR-HEADER"BOX,10P,1R,2mm,ANGLE,SN"
6003-000119	LCD MODULE	1	SCREW-TAPTITE "BH,+,B,M3,L8,CBLACK,SWRCH18A"
JC07-20501A	LCD1	1	DISPLAY LCD-MODULE"ML-165,PC0802LYS-AEB-B-R2,BLK/"
JC72-40265A		2	PMO-SPACE LCD "ML-80,ABS,-,HB,-"
JC94-00971A		1	PRA AUTO-LCD "ML-165,SEC,USA,PCL6,-,-,-"
2001-000290	R10	1	R-CARBON "10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2202-000002	C6	1	"C-CERAMIC,MLC-AXIAL""10nF,0.05,500V,X7R,TP,5.1x6.4x"
JC41-10512A		1	PCB-PANEL LCD "ML-165,FR1,1L,T1.6mm,59.5X39mm"

7-9. TONER PBA

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
			PBA SUB-TONER
0501-000399	Q1	1	TR-SMALL SIGNAL "KSC945-G,NPN,250mW,TO-92,TP,20"
0601-001276	LD1	1	LED-IR "ROUND,5,20,5,-,-"
0603-001025	CN1	1	PHOTO-TR "NPN,30V,4V,50mA,150mW,BK"
2001-000027	R1	1	R-CARBON "100OHM,5%,1/4W,AA,TP,2.4X6.4MM"
2001-000281	R3	1	R-CARBON "100OHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000290	"R2,R4,R5"	3	R-CARBON "10KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2001-000734	R6	1	R-CARBON "4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM"
2201-000469	C1	1	"C-CERAMIC,DISC" "330pF,10%,500V,Y5P,TP,6x4,5"
JC41-10520A		1	PCB-TONER "ML-165,FR-1,1L,T1.6mm,44*34.5m"
JC70-10999A	"5V,T,G"	3	IPR-ELECTRODE_PCB"ML-6000,C5201P-1/2H,T0.2,-"

7-10. NETWORK CARD PBA(100BASE)

SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
JC92-01119A			**NETWORK CARD PBA(100BASE)**
0601-000105	LED2	1	"LED;CBI-ANGLE,GRN,5mm,560nm"
0601-000105	LED1	1	"LED;CBI-ANGLE,GRN,5mm,560nm"
2804-001056	Y1	1	"OSCILLATOR-CLOCK;33MHz,100ppm,"
2804-001311	Y2	1	"OSCILLATOR-CLOCK;25MHZ,50PPM,C"
3301-000344	BD2	1	"CORE-FERRITE BEAD;ZZ,3.5x6.5mm"
3702-001102	J1	1	"CONNECTOR-RIBBON;60P,FEMALE,ST"
3711-003205	CN6	1	"CONNECTOR-HEADER;BOX,4P,1R,2.0"
3722-001319	CN5	1	"JACK-MODULAR;8P/8C,-,AU30U,BLK"
JC94-00076A		1	PHANTOM AU JC92-01119A
0801-001072	U20	1	"IC-CMOS LOGIC;74ACT32,OR GATE,"
0903-001118	U26	1	"IC-MICROCONTROLLER;32C5000,32B"
1103-001061	U15	1	"IC-EEPROM;24C32,4Kx8BIT,SOP,8P"
1105-001252	U18	1	"IC-DRAM;416C4104,4MX16BIT,TSOP"
1106-001275	U24	1	"IC-SRAM;68257,32KX8BIT,TSOP,28"
1106-001275	U25	1	"IC-SRAM;68257,32KX8BIT,TSOP,28"
1107-001046	U19	1	"IC-FLASH MEMORY;29F800,512Kx16"
1205-001675	U165	1	"IC-TRANSCEIVER;ICS1892Y,MQFP,6"
2007-000026	R68	1	"R-CHIP;200OHM,5%,1/10W,DA,TP,2"
2007-000026	R71	1	"R-CHIP;200OHM,5%,1/10W,DA,TP,2"
2007-000026	R70	1	"R-CHIP;200OHM,5%,1/10W,DA,TP,2"
2007-000026	R69	1	"R-CHIP;200OHM,5%,1/10W,DA,TP,2"
2007-000029	R98	1	"R-CHIP;0OHM,5%,1/10W,DA,TP,201"
2007-000029	R73	1	"R-CHIP;0OHM,5%,1/10W,DA,TP,201"
2007-000029	R97	1	"R-CHIP;0OHM,5%,1/10W,DA,TP,201"
2007-000029	R30	1	"R-CHIP;0OHM,5%,1/10W,DA,TP,201"
2007-000029	R72	1	"R-CHIP;0OHM,5%,1/10W,DA,TP,201"
2007-000238	R148	1	"R-CHIP;1.5KOHM,1%,1/10W,DA,TP,"
2007-000297	R127	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R147	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R94	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R126	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R96	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R120	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R95	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R124	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R150	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R119	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R128	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R121	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R118	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R129	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000297	R92	1	"R-CHIP;10KOHM,1%,1/10W,DA,TP,2"
2007-000449	R105	1	"R-CHIP;180OHM,5%,1/10W,DA,TP,2"
2007-000468	R87	1	"R-CHIP;1KOHM,5%,1/10W,DA,TP,20"
2007-000468	R78	1	"R-CHIP;1KOHM,5%,1/10W,DA,TP,20"
2007-000468	R76	1	"R-CHIP;1KOHM,5%,1/10W,DA,TP,20"
2007-000468	R75	1	"R-CHIP;1KOHM,5%,1/10W,DA,TP,20"
2007-000468	R88	1	"R-CHIP;1KOHM,5%,1/10W,DA,TP,20"
2007-000468	R74	1	"R-CHIP;1KOHM,5%,1/10W,DA,TP,20"
2007-000511	R111	1	"R-CHIP;2.4KOHM,5%,1/10W,DA,TP,"
2007-000766	R125	1	"R-CHIP;330OHM,5%,1/10W,DA,TP,2"
2007-000766	R89	1	"R-CHIP;330OHM,5%,1/10W,DA,TP,2"
2007-000766	R146	1	"R-CHIP;330OHM,5%,1/10W,DA,TP,2"
2007-000766	R91	1	"R-CHIP;330OHM,5%,1/10W,DA,TP,2"
2007-000766	R90	1	"R-CHIP;330OHM,5%,1/10W,DA,TP,2"
2007-000781	R145	1	"R-CHIP;33OHM,5%,1/10W,DA,TP,20"
2007-000781	R123	1	"R-CHIP;33OHM,5%,1/10W,DA,TP,20"
2007-000781	R104	1	"R-CHIP;33OHM,5%,1/10W,DA,TP,20"
2007-000781	R149	1	"R-CHIP;33OHM,5%,1/10W,DA,TP,20"
2007-000953	R109	1	"R-CHIP;49.9OHM,1%,1/10W,DA,TP,"
2007-000953	R108	1	"R-CHIP;49.9OHM,1%,1/10W,DA,TP,"
2007-001067	R110	1	"R-CHIP;6.8KOHM,1%,1/10W,DA,TP,"
2007-001092	R107	1	"R-CHIP;620OHM,5%,1/10W,DA,TP,2"
2007-001092	R106	1	"R-CHIP;620OHM,5%,1/10W,DA,TP,2"
2007-001133	R103	1	"R-CHIP;68OHM,5%,1/10W,DA,TP,20"
2007-001133	R113	1	"R-CHIP;68OHM,5%,1/10W,DA,TP,20"

NETWORK CARD PBA(100BASE)

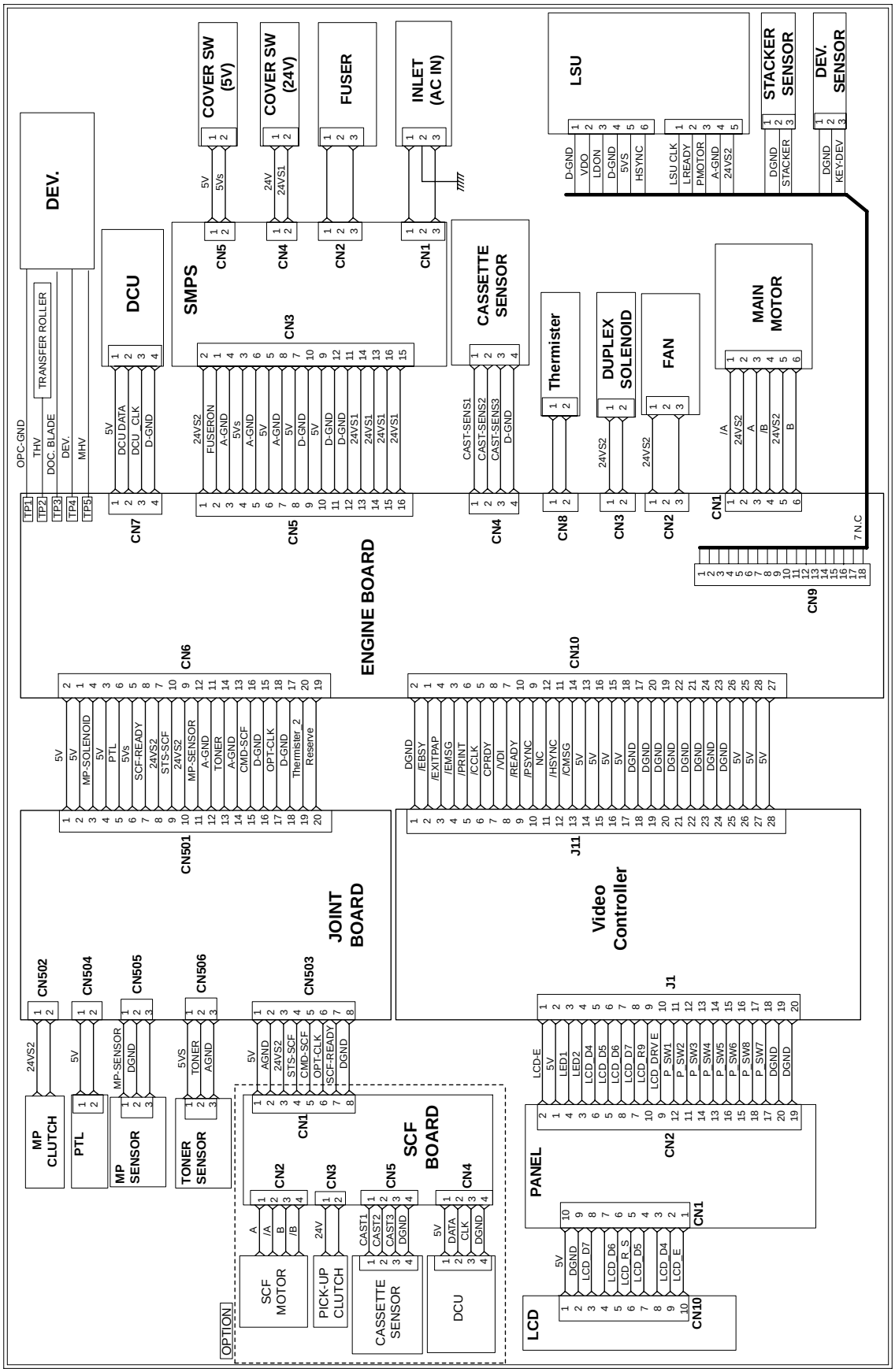
SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
2007-002826	R112	1	"R-CHIP;110OHM,1%,1/10W,DA,TP,2"
2011-001094	RA1	1	"R-NETWORK;39ohm,5%,1/16W,L,CHI"
2011-001094	RA10	1	"R-NETWORK;39ohm,5%,1/16W,L,CHI"
2203-000192	C102	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C101	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C105	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C106	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C147	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C103	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C100	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C110	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C170	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C107	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C104	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C161	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C94	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C97	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C96	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C95	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C126	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C88	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C162	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C163	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C159	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C160	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C127	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C109	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C145	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C153	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C152	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C151	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C154	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C158	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C141	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C144	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C135	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C134	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C133	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C148	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C149	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C150	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C131	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C130	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C129	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C128	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C143	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C146	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C108	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C140	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C139	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C138	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C137	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C142	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C132	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000192	C136	1	"C-CERAMIC,CHIP;100nF,+80-20%,5"
2203-000316	C185	1	"C-CERAMIC,CHIP;0.12nF,5%,50V,N"
2203-000476	C169	1	"C-CERAMIC,CHIP;1000nF,+80-20%,"
2203-000476	C90	1	"C-CERAMIC,CHIP;1000nF,+80-20%,"
2203-001002	C184	1	"C-CERAMIC,CHIP;0.047nF,5%,50V,"
2203-001002	C182	1	"C-CERAMIC,CHIP;0.047nF,5%,50V,"
2203-001002	C183	1	"C-CERAMIC,CHIP;0.047nF,5%,50V,"
2404-000128	C186	1	"C-TA,CHIP;10uF,20%,16V,-,TP,60"
2404-000128	C92	1	"C-TA,CHIP;10uF,20%,16V,-,TP,60"
2404-000128	C91	1	"C-TA,CHIP;10uF,20%,16V,-,TP,60"
2703-000125	L1	1	"INDUCTOR-SMD;10uH,10%,1.25x2x1"
2703-000125	L2	1	"INDUCTOR-SMD;10uH,10%,1.25x2x1"
3301-001312	R144	1	"CORE-FERRITE BEAD;AB,220OHM,2X"

NETWORK CARD PBA(100BASE)

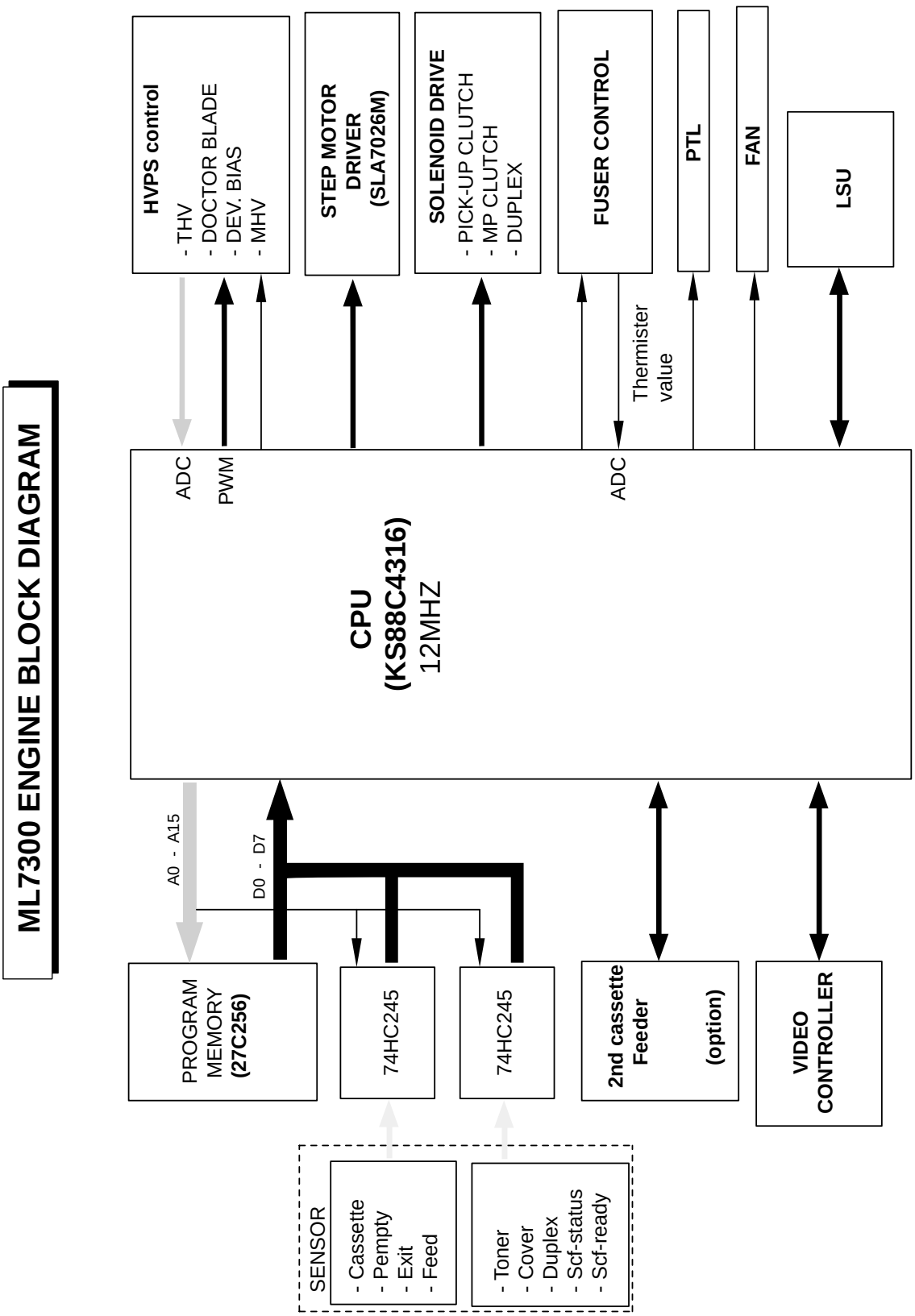
SEC CODE	LOCATION NO.	Q'ty	DESCRIPTION
3301-001312	R138	1	"CORE-FERRITE BEAD;AB,220OHM,2X"
3301-001333	R80	1	"CORE-FERRITE BEAD;AB,120OHM,2X"
3301-001333	R79	1	"CORE-FERRITE BEAD;AB,120OHM,2X"
JC13-00004A	U22	1	"IC-ASIC-NPC;ML-7000N3,NETBRIDG"
JC41-00011A	PCB	1	PCB

08- Bloack Diagrams

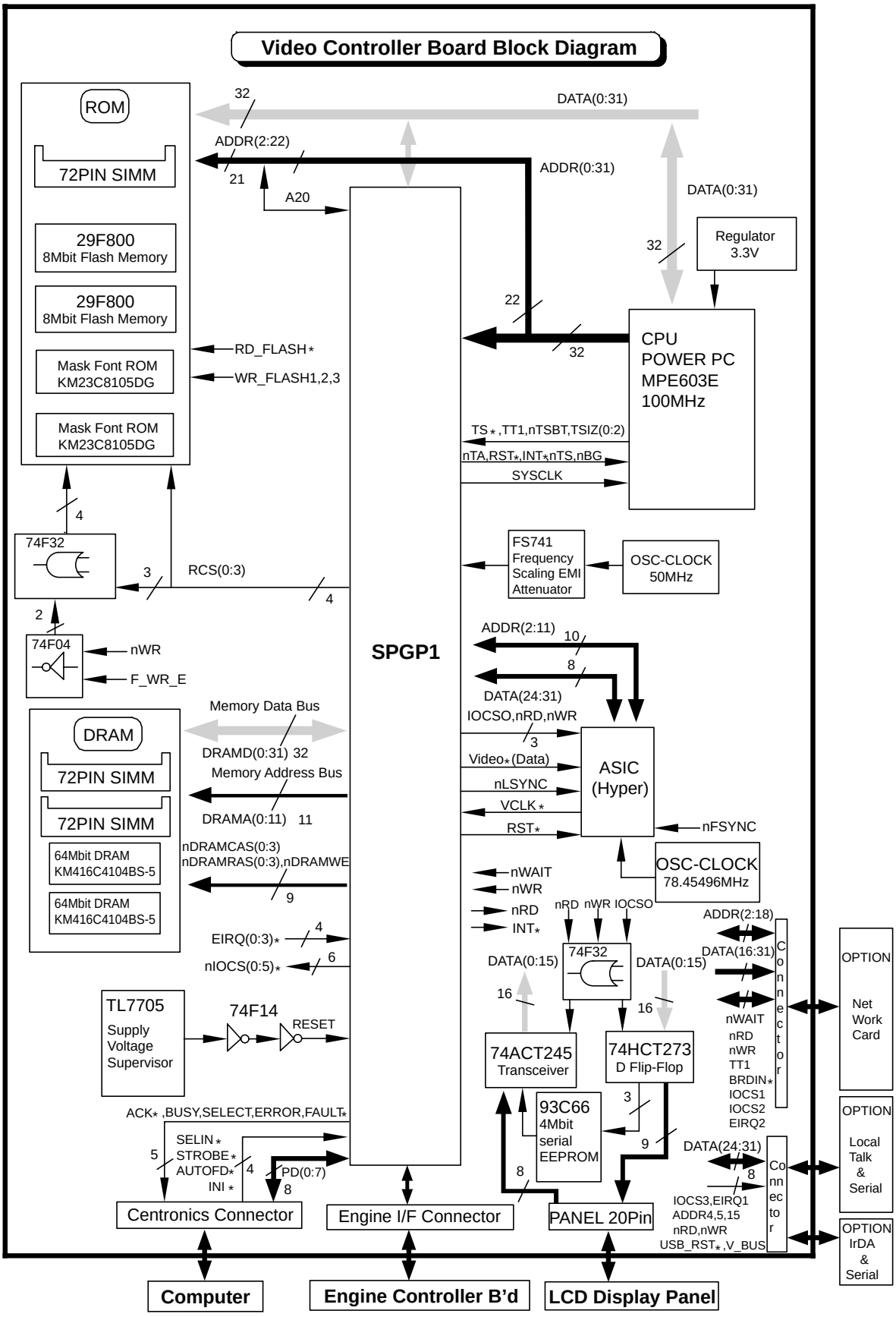
8-1 WIRING DIAGRAM



8-2 Engine Controller Block Diagram



8-3 Video Controller Block Diagram



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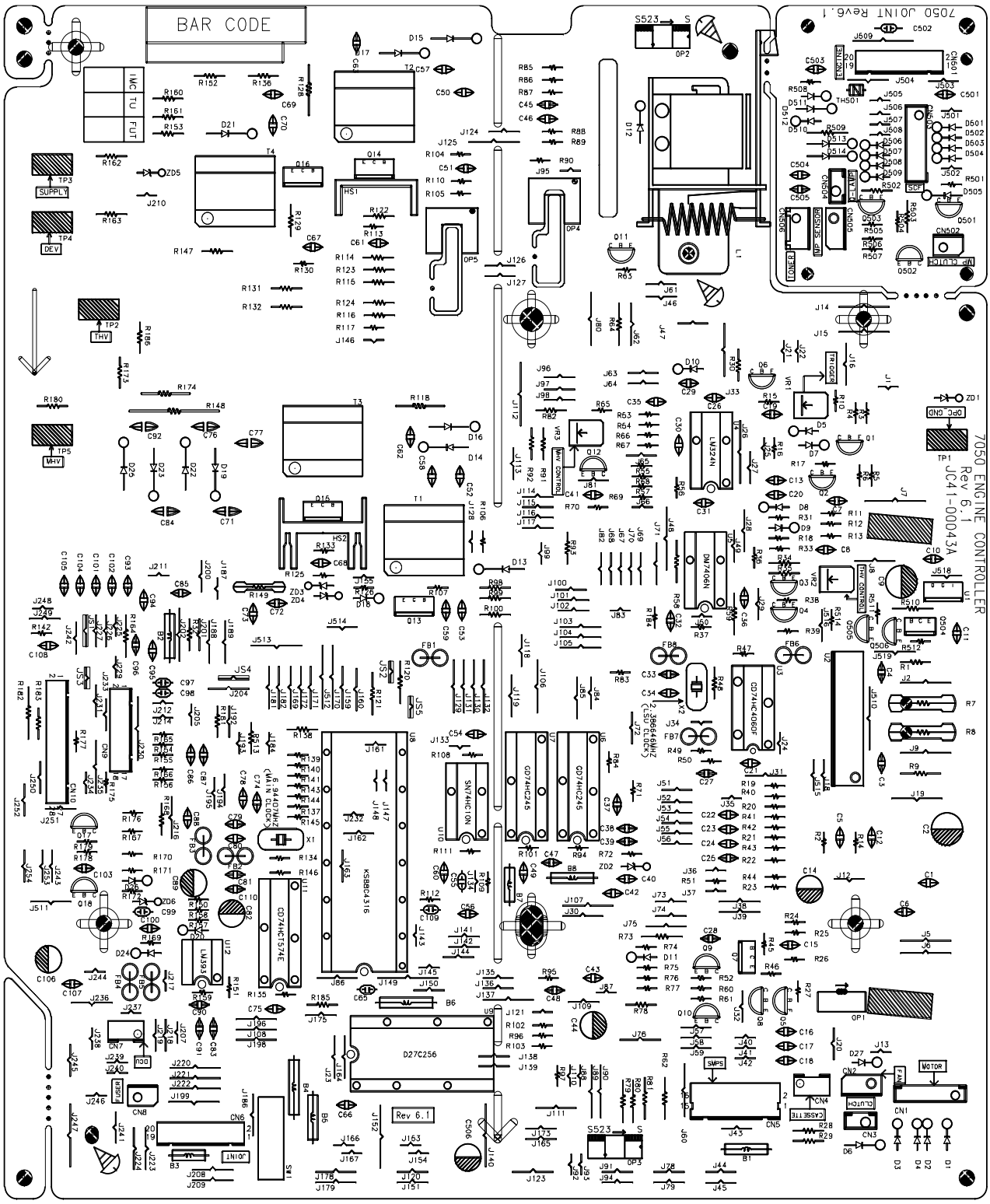
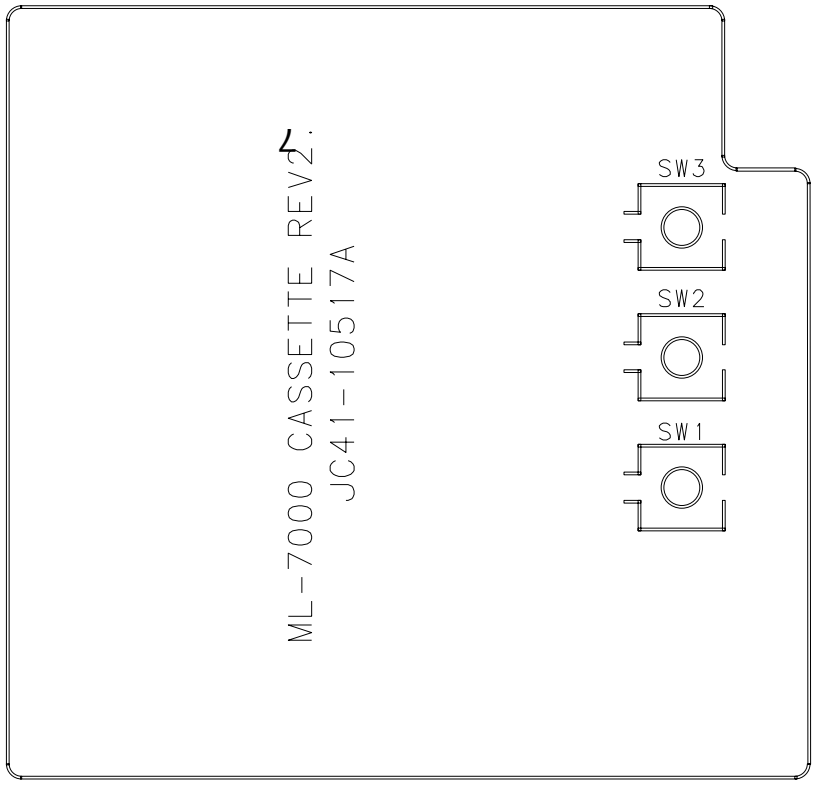
09- PCB DiagramS

9-1. Engine Control & Joint Board

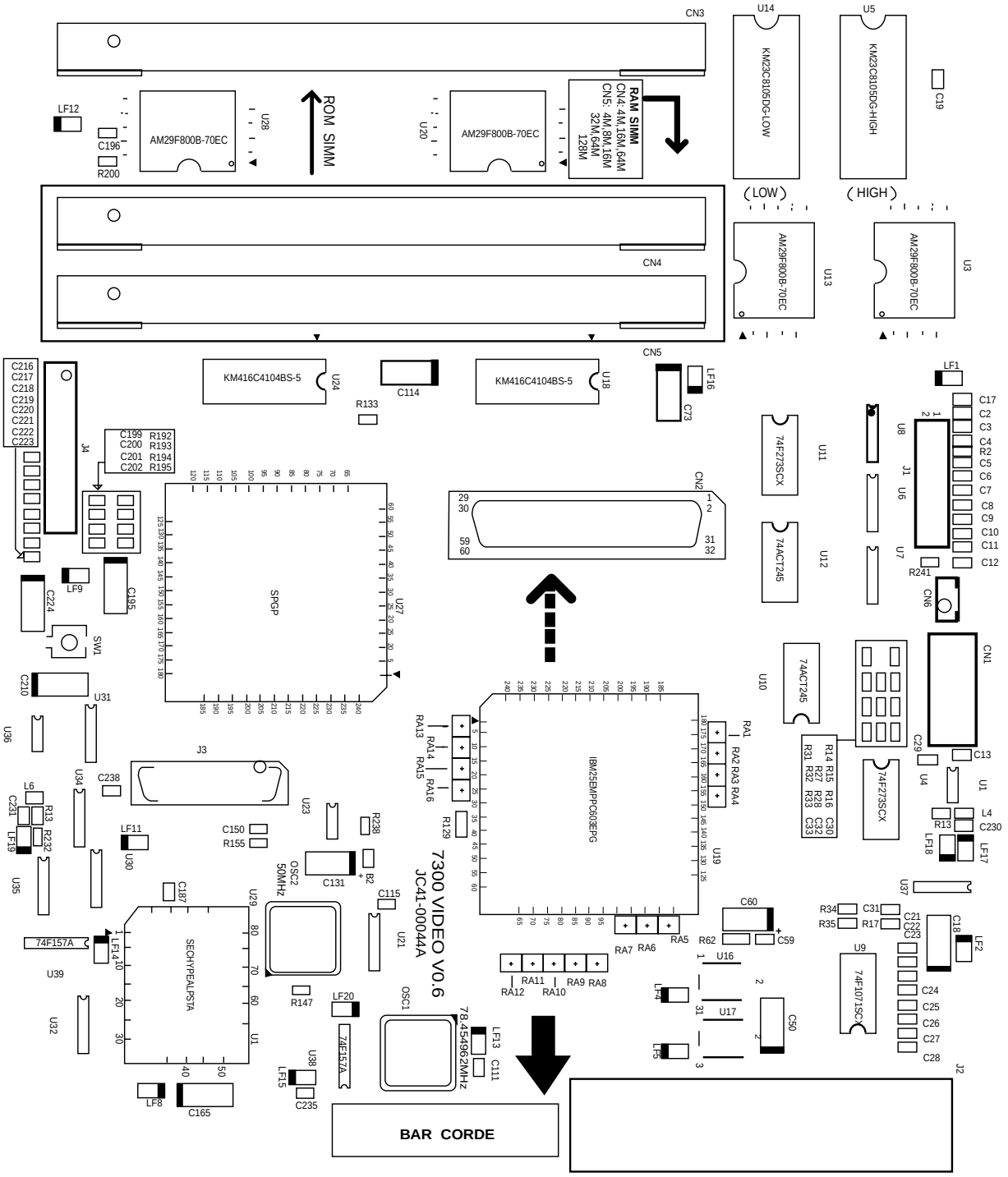


9-2. Cassette Sensor Board

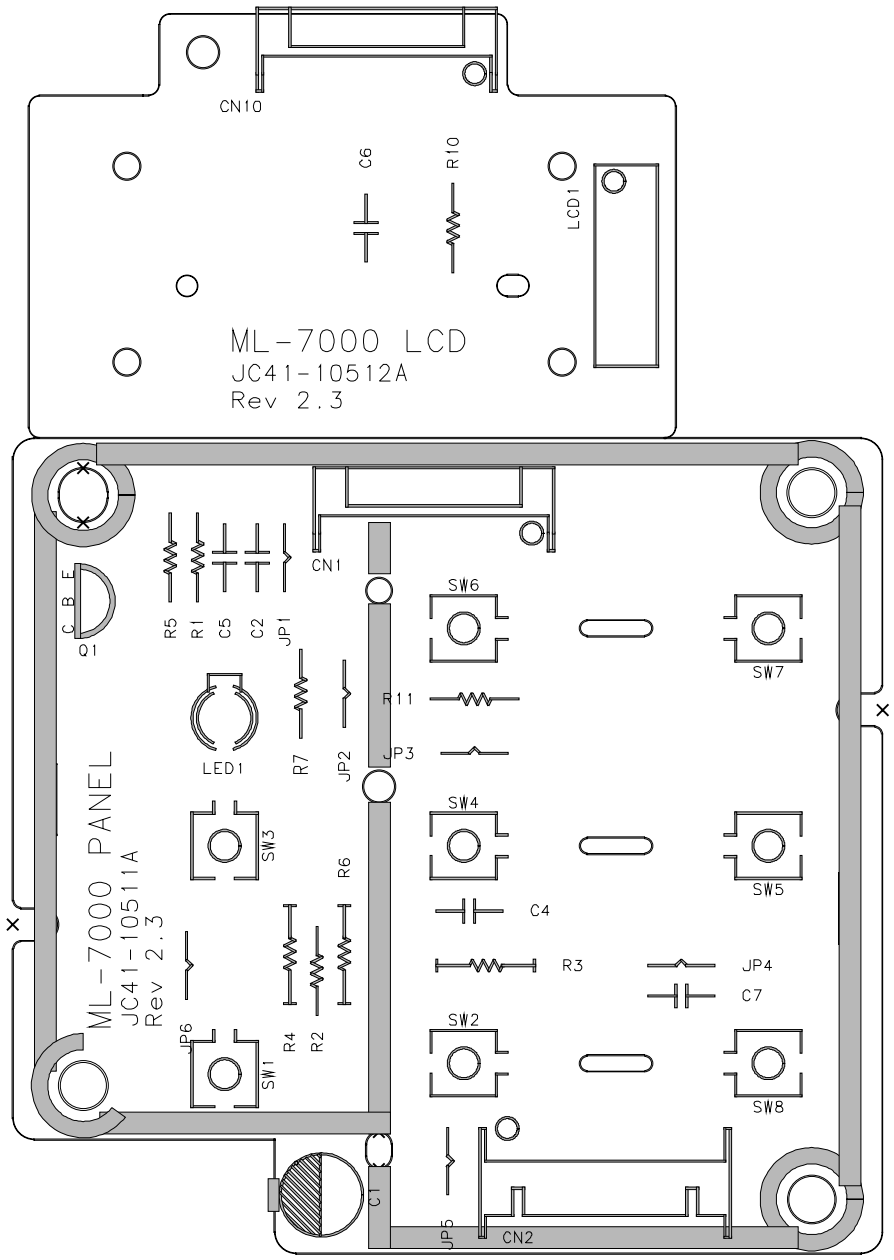


9-3. Video Controller Board

S10 115 01 JC41-00044A L.S.D REV:0.6 TMK

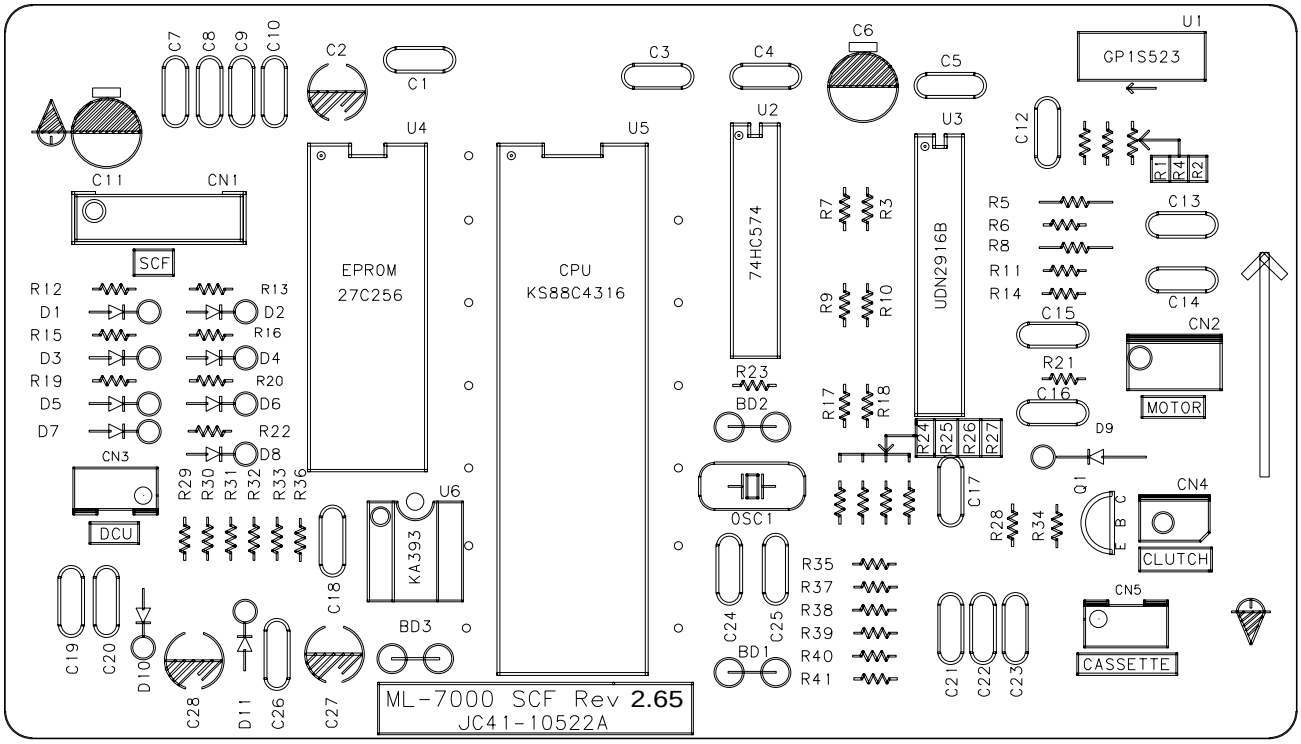


9-4. Panel & LCD Board

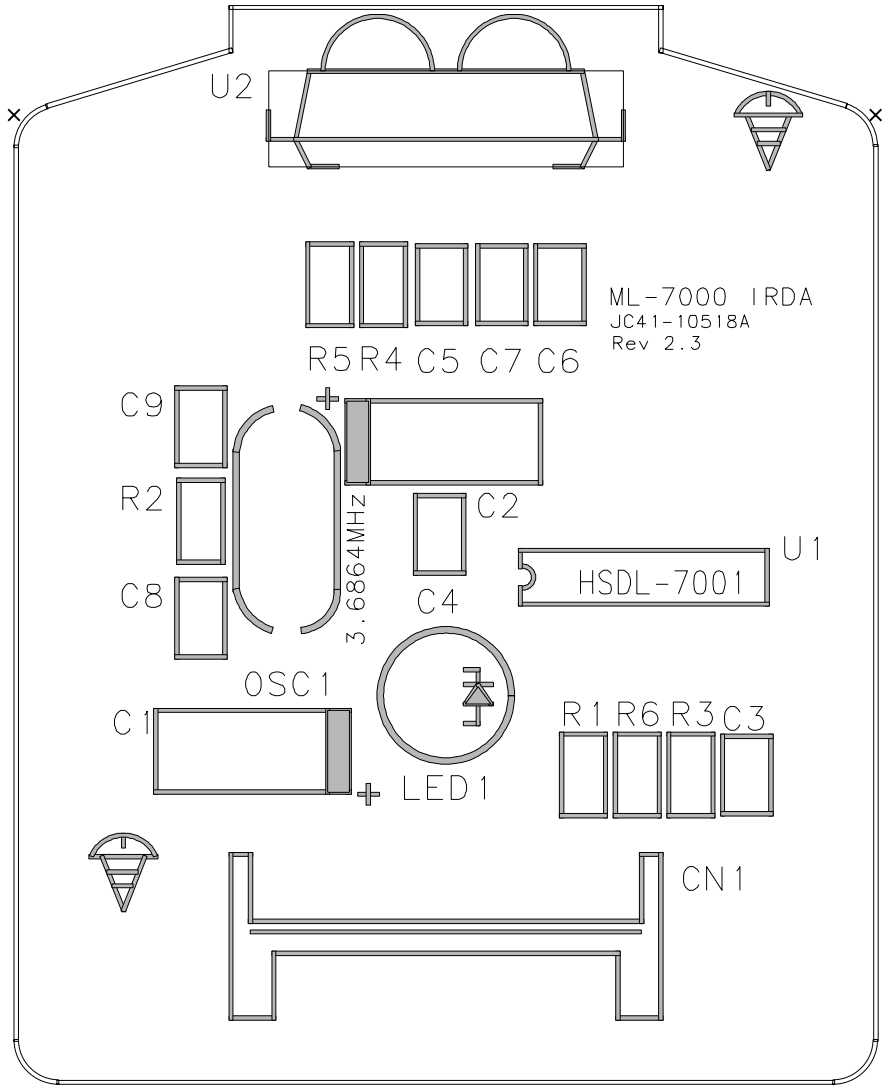


9-5. PTL (Pre Transfer Lamp) Board

9-6. SCF(Second Cassette Feeder) Board

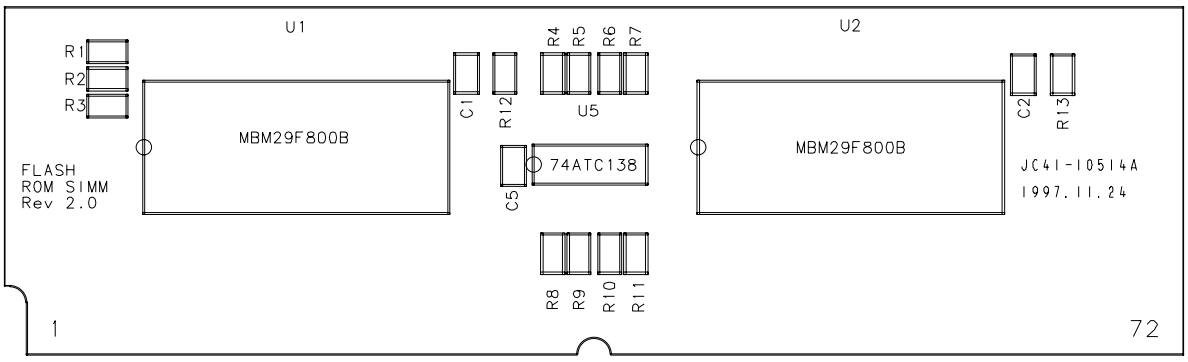


9-7. Infrared Adapor Board

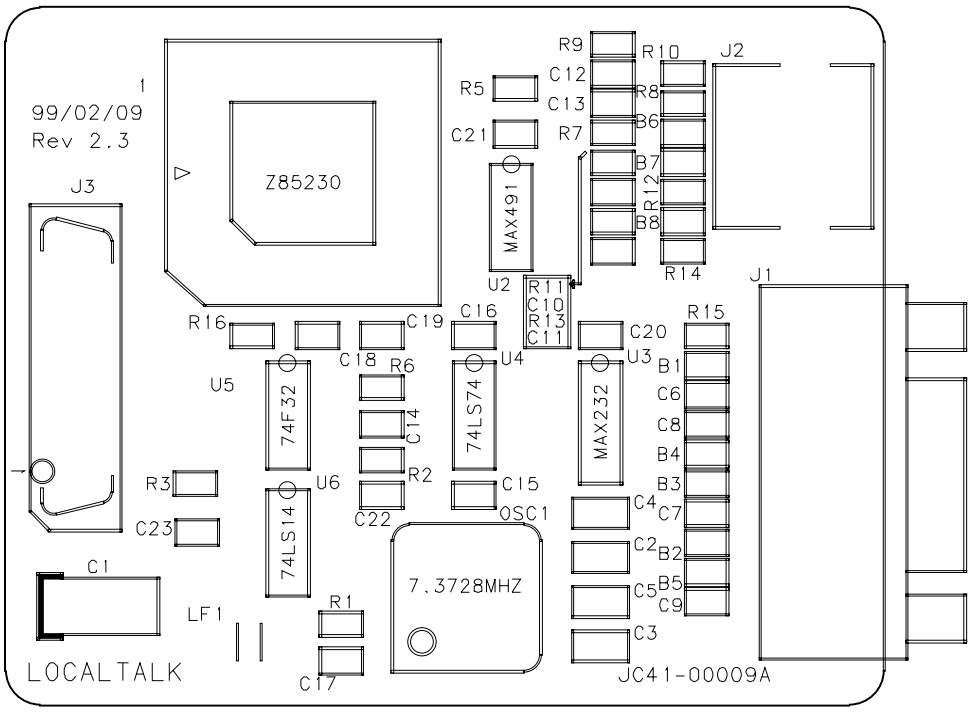


9-8. Flash SIMM Board

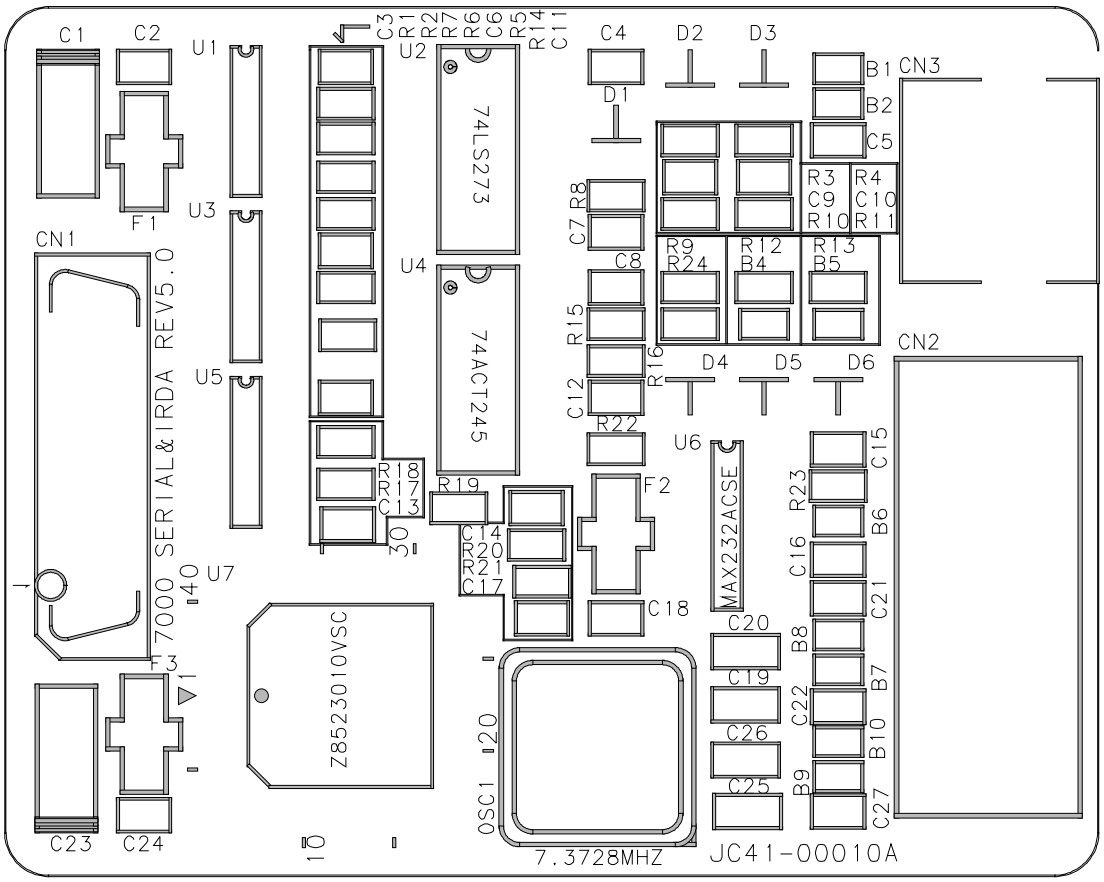
9-9. Postscript Board



9-10. Local Talk



9-11. Serial/IrDA Board



10. PortThru (Network Printer Card) Circuit Description

10-1. Introduction

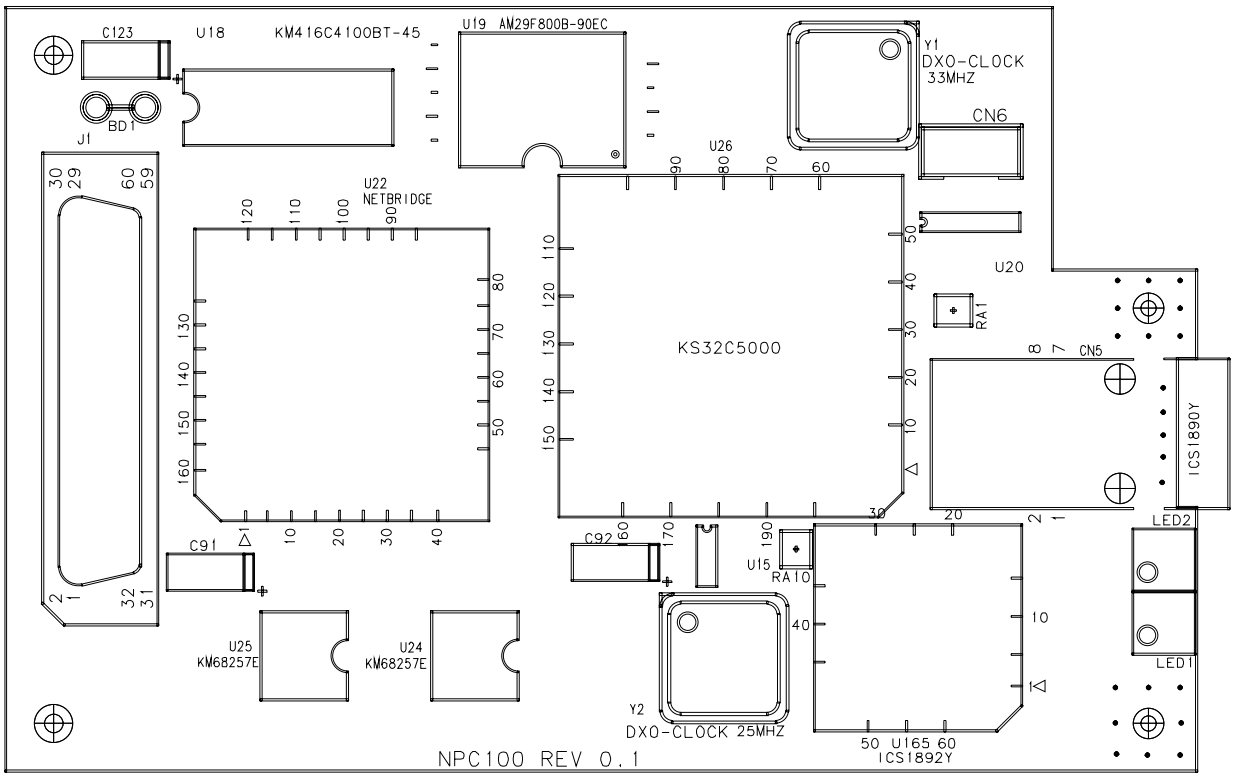
The purpose of the Network Printer Card(PortThru) is to enable the Samsung Printer to function as a network printer. The PortThru is a plug-in card that plugs into the Samsung Printer. The PortThru provides a Ethernet Local Area Network interface through which the printer can be connected to the network.

ITEM		Description
Support system	Novell Netware	Version 3.x, 4.x, 5.0
	MS Windows	Windows 95/98, Windows NT(3.x, 4..x)
	UNIX	AT & T System V(Rel 3.2, Rel 4.2), BSD 4.3 HP-UX(Rel 9.x, Rel 10.x) SCO 5.x, SUN OS 5.5, SOLARIS 2.5
	Macintosh	APPLE
Support protocols	Netware	IPX/SPX, Pserver, Rprint mode, NDS/Bindery
	Windows	IPX/SPX, TCP/IP, DLC/LLC
	UNIX	TCP/IP
	APPLE	EtherTalk Phase 2
	Network Management	SNMP MIB-II, Private MIB
Hardware	CPU	32bit RISC controller
	Flash memory	1M byte
	RAM	64 Kbyte SRAM / 8M byte DRAM
Interface with Printer	Shared memory	64K byte SRAM
Logical connection		IEEE 802.2 802.3
Attachment		10/100Base-Tx
CPU		Samsung NetARM, 33MHz
PHY Chip		ICS1892, 25MHz
Memory	Flash ROM	1M Byte
	DRAM	8M Byte
	SRAM	64K Byte
	EEPROM	32K Bit
Printer Interface		NetBridge, 33MHz
		60 Pin Connector
Dimension(HxWxD)		15 x 80 x 124mm
Power Consumption		Max. 0.6A/ +5Vdc

10-2. Board Description

10-2-1 Configuration of Network Board

Service Part : JC92-01119A

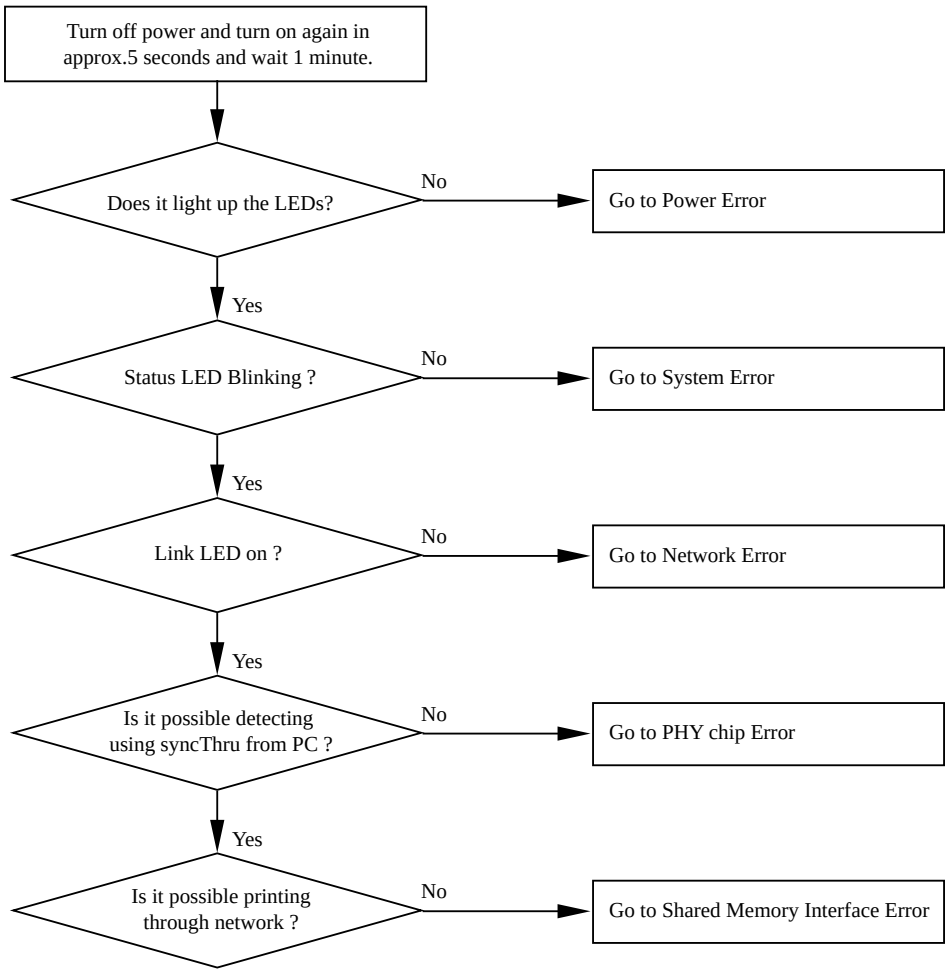


10-2-2 Network Board Connector Pin Assignment

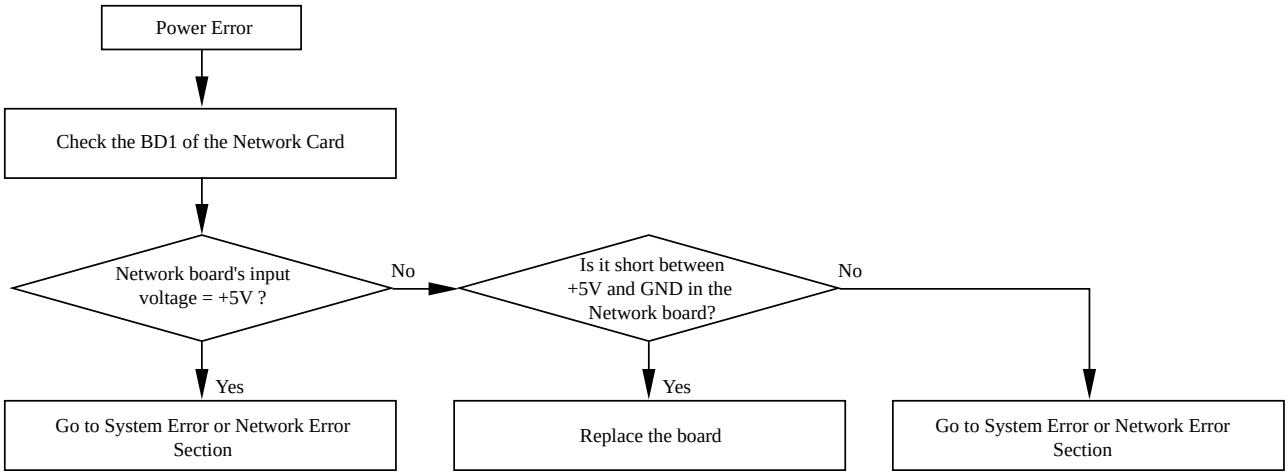
Connector	Description	Pin No.	Idle	Active	In/Out
Printer Interface J1	Addr 0 ~ Addr 15	21, 19, 18, 17, 37, 44, 42, 40, 38, 36, 34, 32 30, 28, 26, 24	Pulse	Pulse	I
	Data 0 ~ 15	35, 33, 31, 29, 27, 25 23, 22, 14, 13, 11, 10 9, 7, 6, 5	Pulse	Pulse	I/O
	nPrnWait	41	+5V	DGND	O
	PRES_L	57	DGND	DGND	-
	nPrnlrq	15	+5V	DGND	O
	nPrnCS	4	+5V	DGND	I
	nPrnRE	50	+5V	DGND	I
	nPrnWE	51	+5V	DGND	I
	nResetIn	39	+5V	DGND	I
	+5V	3, 58, 59, 60	+5V	+5V	-
	DGND	8, 12, 16, 48, 52, 56	DGND	DGND	-
Serial Connector CN6	RxD	1	+5V	Pulse	I
	TxD	2	+5V	Pulse	O
	+5V	3	+5V	+5V	-
	DGND	4	DGND	DGND	-

10-3 Troubleshooting of Network Card

10-3-1 Troubleshooting Flow Chart

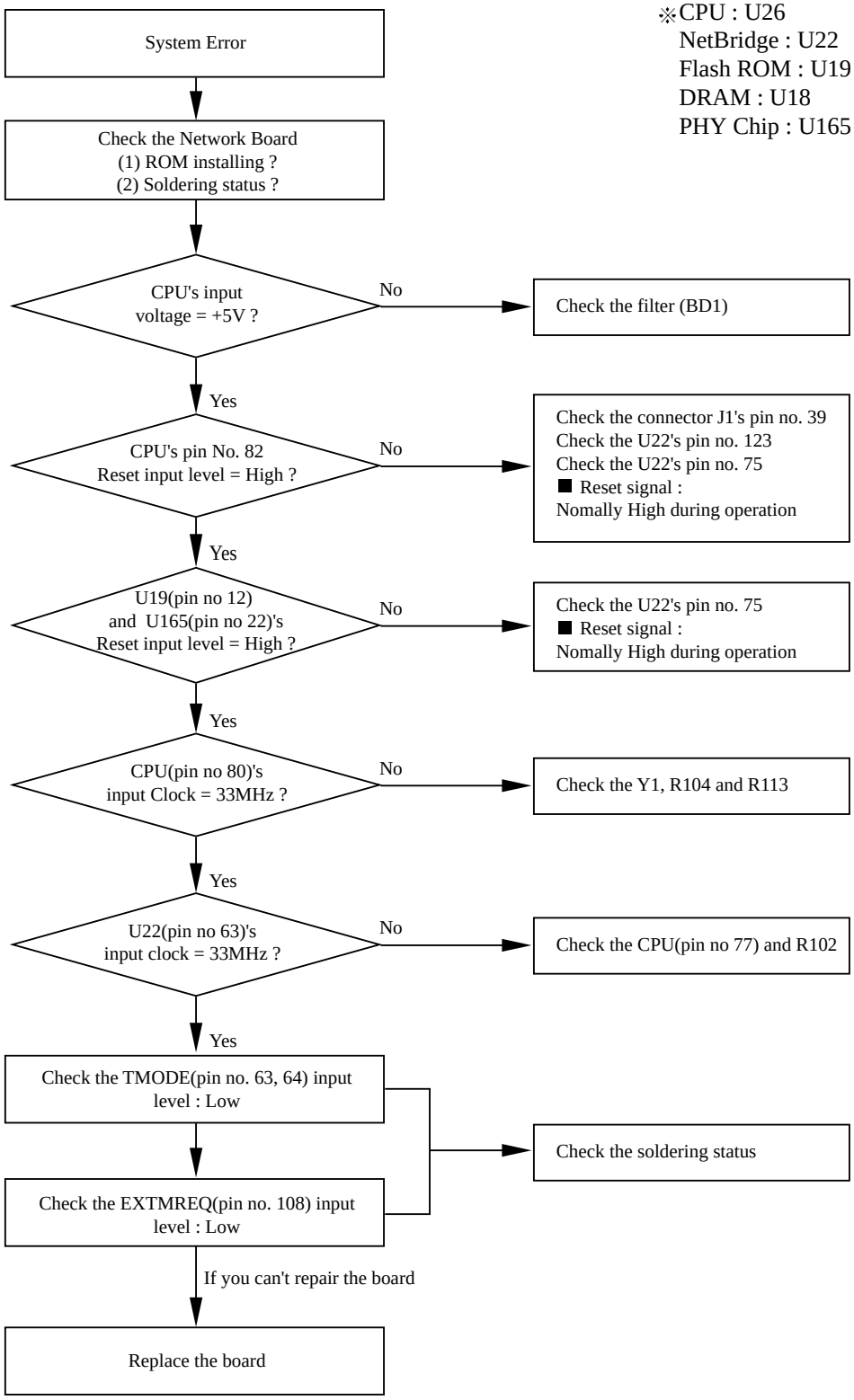


Power Error

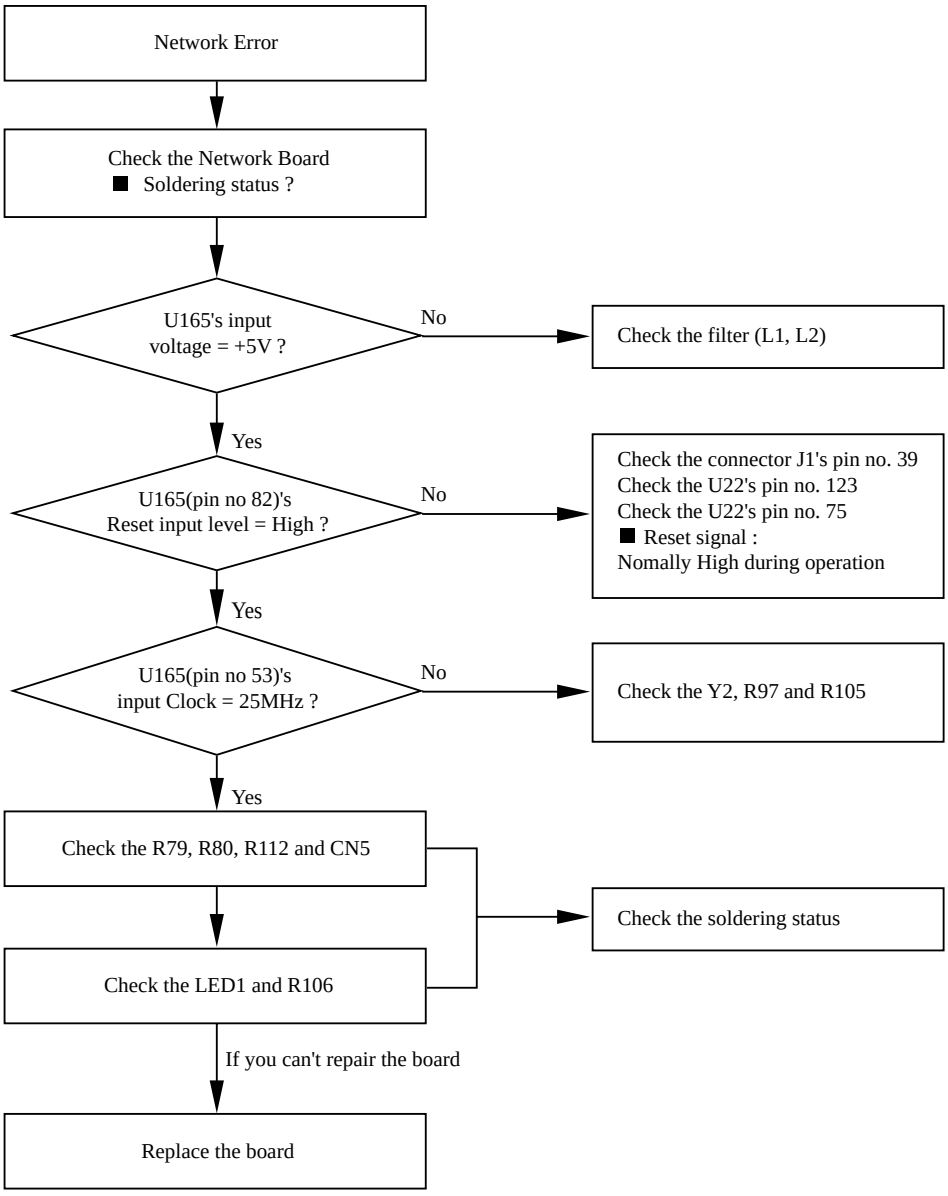

Power Error
Check the BD1 of the Network Card
Network board's input voltage = +5V ?
No
Is it short between +5V and GND in the Network board?
No
Yes
Yes
Go to System Error or Network Error Section
Replace the board
Go to System Error or Network Error Section

System Error

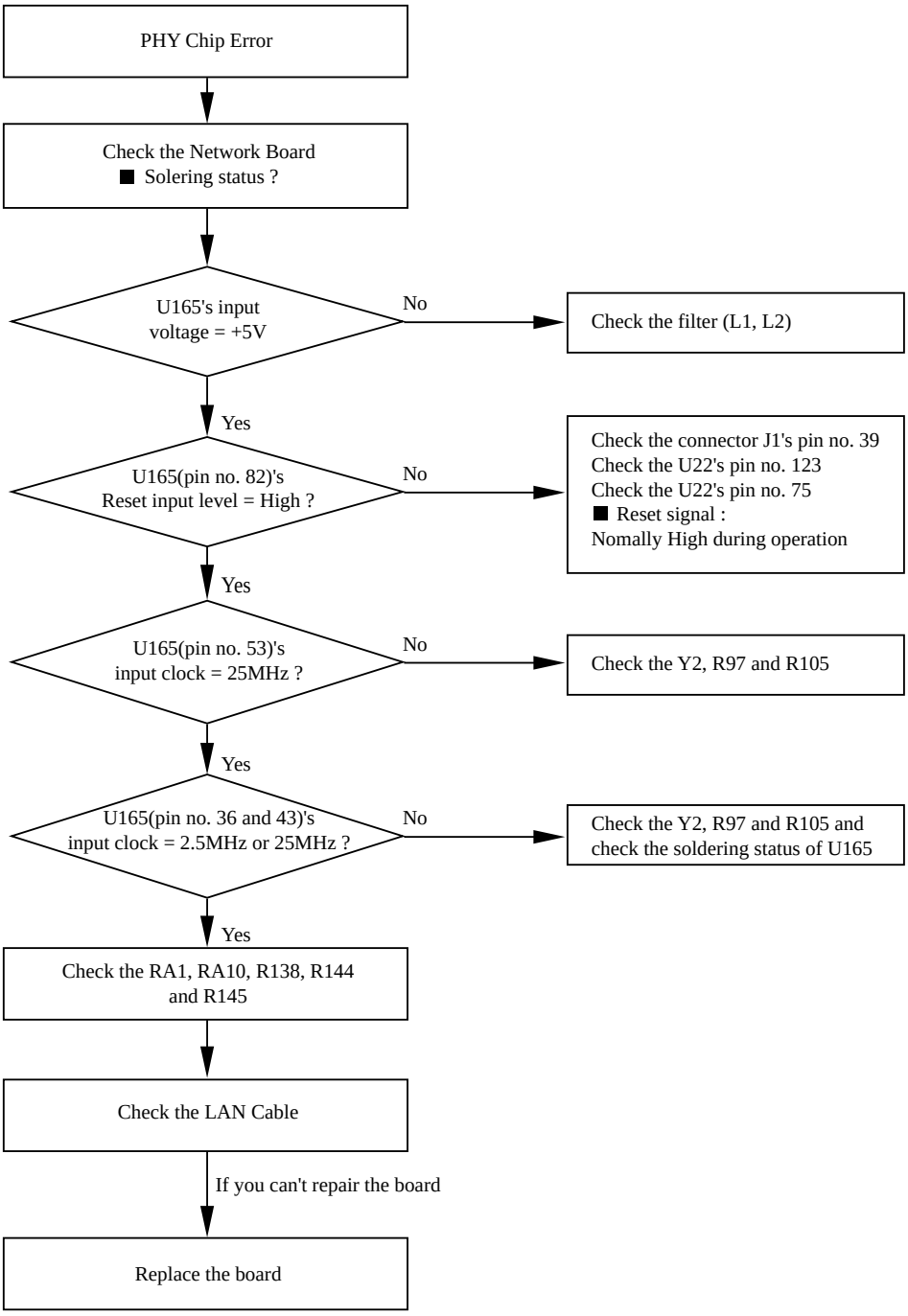
※CPU : U26
NetBridge : U22
Flash ROM : U19
DRAM : U18
PHY Chip : U165



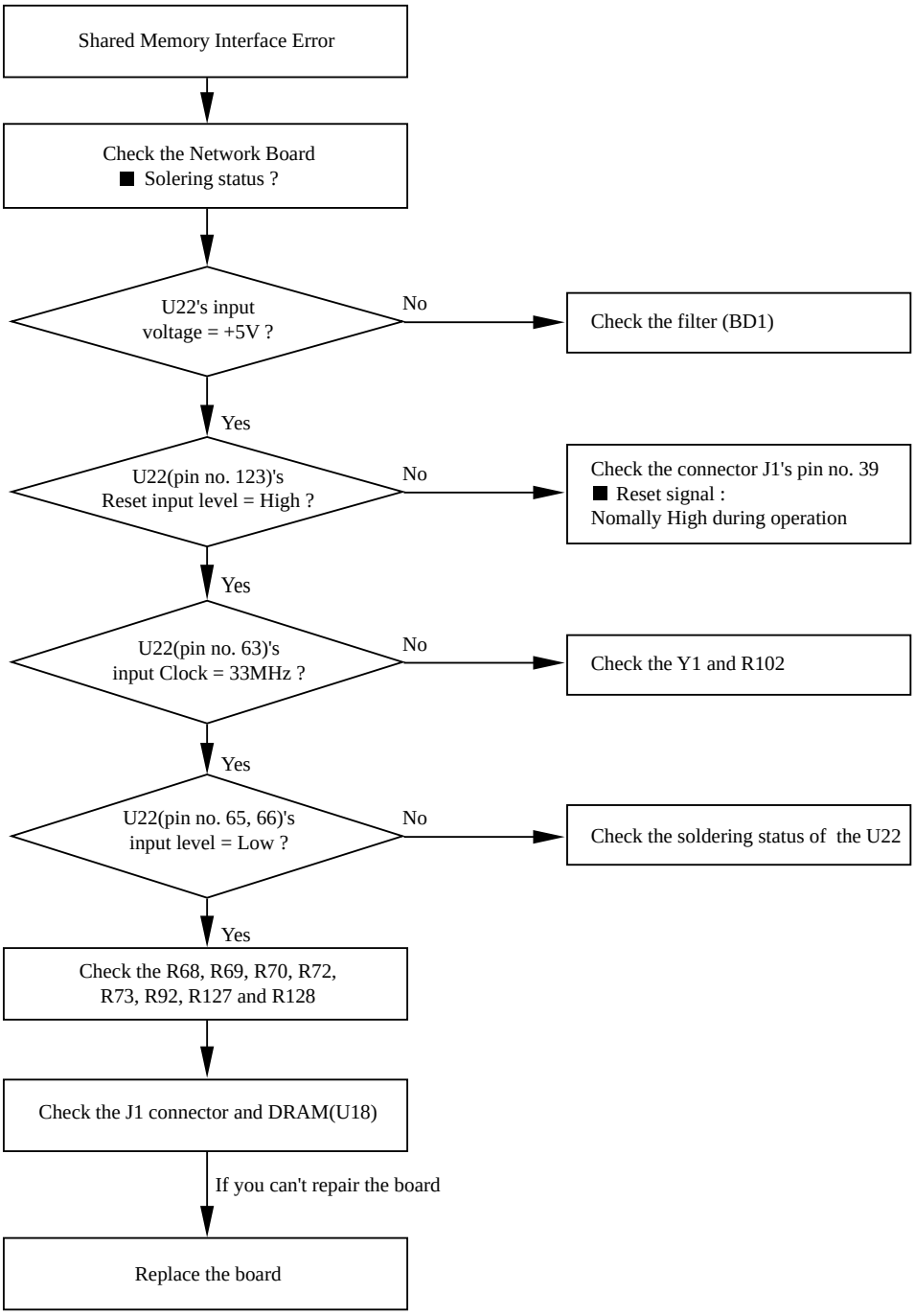
Network Error



PHY Chip Error



Shared Memory Interface Error



10-3-2 Troubleshooting Table of Network Card

No.	Error Type	Check List	Repair
1	The LEDs does not lit up	Power Connection	Check the BD1 of Network Card
		VCC voltage (nominal is +5V) level VCC voltage should be in the range between +4.75 and +5.25V	Refer to the section of Power Error Troubleshooting
		Short between VCC and GND.	Repair board
2	The status LED does not blinking	Reset Error : Reset signal is normalhigh during operation	
		System source clock is 33MHz. Check point : Y1's pin 5 and U26's pin 80	Replace the Y1.
		The output clock of U26 is 33MHz. The input clock of U26 is 33MHz.	Check the R102 and R122. If these two resistors are OK then replace the board.
		Check the ROM Chip select signals (Pin no U26-75 and U19-26)	
		Check the DRAM control signals(pin no U26-89, 95, 96, 99, 100 and U18-13, 14, 36, 37, 38)	
3	The status LED is OK but the LINK LED does not lit up	Reset Error : Reset signal is normal high during operation	
		The input clock of U165 is 25MHz.	Check the Y2, R97 and R105. If these two resistors are OK then replace the Y2
		Check the R79, R80 and R112 Check the output and input signal of U165 of RJ45 connector side. Pin no. 5, 6, 10, 11 of U165.	
4	The two LEDs are OK but can't detect the Network Printer using SyncThru from PC	Check the MII signals between U26 and U165 (Pin no. 30, 31, 32, 33, 34, 35, 36, 37, 38, 42, 43, 44, 45, 46, 47, 48, 49, 50) Check RA1, RA10, R138, R144 and R145.	Refer to the section of PHY chip error
5	The SyncThru can detect the Network Printer card but Printer does not printing.	The output clock of U26 is 33MHz. The input clock of U22 is 33MHz.	Check the R102 and R122. If these two resistor are OK then replacethe board.
		Check the Shared Memory Cotrol signals. U22-37, 38, 39 and R68, R69 and R70	Refer to the Shared Memory Interface Error Section.

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All parts list

부품명				수량
ML-7300N				
CORE-FERRITE				1
UNIT-LSU				1
MAN(CARD)- QRG CARD				1
BOX-MAIN				1
ELA HOU-FRE BASE OUT				1
	ELA HOU-CST SENSER			1
		SCREW-MACHINE		2
		IPR-BRKT PAPER SIZE		1
		IPR-PUSH PLT SPRING		1
		PBA SUB-CASSETTE		1
	ELA UNIT-B/K C/O(KME)			1
		SCREW-MACHINE		2
		CABLE TIE		1
		CBF HARNESS-COVER ASS'Y		1
		SPRING-C/O		1
		SPRING-C/O COM		1
		PMO-ACTUATOR C/O		1
		MEA RACK-BRKT C/O		1
			IPR-BRKT C/O	1
			IPR-GROUND BRKT C/O	1
	ELA UNIT-PTL			1
		PMO-COVER QUENCHING		1
		PBA SUB-PTL		1
	ELA UNIT-FUSER TERMINAL			1
		SCREW-ASS'Y MACH		2
		NUT-HEXAGON		2
		CABLE TIE		1
		CBF HARNESS-FUSING		1
		IPR-TERMINAL FU		2
		PMO-HOUSING TERMINAL		1
	MEA RACK-GUIDE T/R			1
		CABLE CLAMP		1
		IPR-PLATE SAW		1
		PPR-INSULATOR G/TR		1
		PMO-GUIDE TRANSFER		1
		PMO-HOLDER SAW		1
	MEA RACK-EXIT ROLLER			4
		SPRING-EXIT ROLL FD		1
		PMO-HOLDER EXIT ROLL		1
		PMO-ROLLER FD F		1
		PMO-ROLLER FD R		1
	MEA RACK-TERMINAL HV			1
		SPRING-CS		3
		ICT-TERMINAL HV		3
	MEA UNIT-GUIDE DEVE:L			1
		"SPRING-PS,G/DEV"		1
		PMO-GUIDE DEV L		1
	MEA UNIT-GUIDE DEVE:R			1
		"SPRING-PS,G/DEV"		1
		PMO-GUIDE DEV R		1
	MEA UNIT-HOLDER TR:R			1
		SPRING-PLATE TR		1
		SPRING-TR_R		1
		PMO-BUSH		1
		PMO-HOLDER TR R		1
	MEA UNIT-HOLDER TR:L			1
		SPRING-TR_L		1
		PMO-BUSH		1
		PMO-HOLDER TR L		1
	MEA UNIT-GUIDE P/UPPER			1
		IPR-GUIDE P/UPPER		1
		UNIT/AGITATOR-BRUSH G/P		1
	ELA HOU-MP TRAY			1
	PHOTO-INTERRUPTER			1
	SCREW-TAPTITE			1
	SCREW-TAPTITE			1
	SCREW-TAPTITE			2
	RING-E			1
	SOLENOID-MP			1
	CBF HARNESS-MP			1
	SPRING-C/O COM			1
	SPRING-KNOCK UP MP			1
	SPRING-F/P MP			1
	BEARING-PICK UP			2
	GEAR-CAM			1
	IPR-K/UP PLATE MP			1
	IPR-BKT SOLENOID MP			1
	ICT-SHAFT PICK UP MP			1
	PMO-FRAME MP			1
	PMO-BUSHING K/UP MP			1
	PMO-IDLE PICK UP MP			2
	PMO-HOUSING P/UP MP			1
	PMO-LIMIT SOLENOID			1
	PMO-HOLDER PAD MP			1
	PMO-BKT HOLDER MP			1
	PMO-ACTUATOR EMPTY			1
	PMO-SUB GUIDE MP			1
	PMO-GUIDE RING			1
	PMO-ACTUATOR PAPER			1
	RPR-PAD KNOCK UP MP			1
	RPR-RUBBER P/UP MP			1
	RPR-FRICTION PAD MP			1
	ELA HOU-BRKT DUPLEX			1
	SCREW-TAPTITE			1
	SCREW-TAPTITE			2
	RING-CS			3
	RING-E			3

		SOLENOID-DUPLEX		1
		SPRING-SOLENOID DP		1
		SPRING-PLATE K/UP		1
		BELT-TIMMING		1
		"GEAR-EXIT/U,ID"		1
		"GEAR-DP,IDLE"		2
		GEAR-DUPLEX		2
		IPR-BRKT DUPLEX		1
		IPR-LINK DUPLEX		1
		ICT-SHAFT BELT		1
		ICT-SHAFT BELT2		1
		ICT-SHAFT SWING		1
		PMO-BRKT GEAR LOWER		1
		PMO-BEARING LARGE DP		4
		"PMO-BEARING SMALL,DP"		2
		PMO-PULLEY DUPLEX		2
	ELA HOU-ENGINE_7300			1
		PPR-INSULATOR PCU		1
		PBA MAIN-ENGINE_7300		1
		MEA UNIT-SHIELD PCU		1
			SCREW-TAPTITE	2
			SCREW-TAPTITE	4
			SCREW-TAPTITE	2
			SCREW-TAPTITE	3
			CBF HARNESS-DUPLEX GND	1
			SPRING-FRONT DP	1
			BELT-TIMMING	1
			GEAR-DUPLEX	1
			IPR-BRKT SUPPORTER	1
			IPR-GUIDE DUPLEX	1
			IPR-GUIDE FRONT DP	1
			IPR-SHIELD PCB	1
			IPR-SPRING UPPER DP	2
			IPR-BRKT IDLE ROLLER	1
			IPR-SHEET FRONT DP	1
			PMO-ACTATOR FRONT DP	1
			PMO-GUIDE UPPER DP	1
			"PMO-LEVER-OPEN,DP"	1
			PMO-BEARING LARGE DP	4
			PMO-PULLEY DUPLEX	2
			PMO-ROLLER UPPER DP	2
			PMO-ACTUATOR EMPTY	1
			PMO-IDLE ROLLER	1
			RPR-CUSHION GUIDE	1
			RCT-ROLLER LOWER DP	2
	ELA HOU-FRAME BASE IN			1
		PHOTO-INTERRUPTER		1
		FAN-DC		1
		SCREW-MACHINE		1
		SCREW-MACHINE		2
		SCREW-TAPTITE		4
		SCREW-TAPTITE		2
		SCREW-TAPTITE		2
		SCREW-TAPTITE		8
		SCREW-TAPTITE		1
		SCREW-TAPTITE		4
		SCREW-TAPTITE		2
		SCREW-TAPTITE		1
		SCREW-TAPTITE		7
		SCREW-TAPTITE		4
		SCREW-TAPTITE		3
		SCREW-TAPTITE		1
		SCREW-TAPTITE		4
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		SCREW-TAPTITE		3
		SCREW-TAPTITE		3
		SCREW-TAPTITE		1
		SCREW-TAPTITE		4
		SCREW-TAPTITE		2
		SCREW-TAPTITE		2
		SCREW-TAPTITE		2
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		2
		SCREW-TAPTITE		1
		SCREW-TAPTITE		2
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		2
		SCREW-TAPTITE		2
		SCREW-TAPTITE		4
		SCREW-TAPTITE		2
		SCREW-TAPTITE		3
		SCREW-TAPTITE		2
		SCREW-TAPTITE		5
		SCREW-TAPTITE		1
		SCREW-TAPTITE		2
		RING-CS		8
		CABLE TIE		2
		CABLE TIE		1
		CABLE CLAMP		2
		SPRING-CLUTCH		2
		CBF-HARNESS-LSU(18P)		1
		CBF HARNESS-DUPLEX GND		1
		CBF HARNESS-BRUSH GND		1
		CBF HARNESS-JOINT+ENGINE		1
		CBF HARNESS-EMI WIRE		1
		CBF HARNESS-CASSETTE		1
		CBF HARNESS-SCF1		1
		CBF HARNESS-VIDEO		1
		CBF HARNESS-SMPS		1

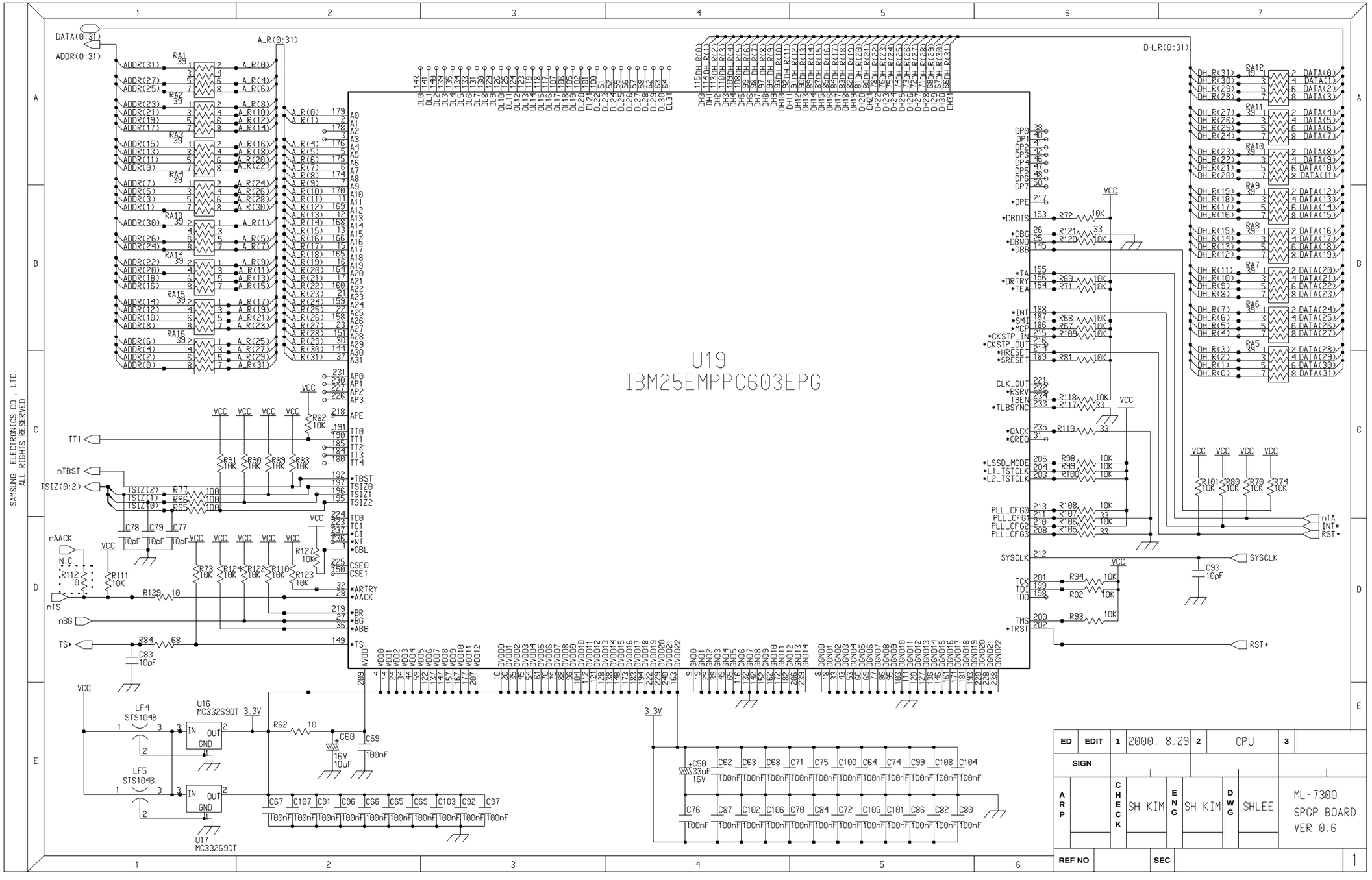
		CBF HARNESS-MP GND				1
		CBF HARNESS-JOINT				1
		SPRING-G_FRONT				1
		FOOT-RUBBER				2
		BEARING-F/UP R				1
		GEAR-EXIT				1
		"GEAR-EXIT/U,ID"				4
		GEAR-P/UP DRIVE				2
		"GEAR-DP,IDLE"				1
		"GEAR-EXIT,IDLE(Z17)"				1
		ICT-BRKT SUPPORTER2				1
		IPR-GROUND ICU				1
		IPR-GROUND BOTTOM				1
		IPR-FRAME ICU				1
		IPR-PLATE CST GUIDE				1
		IPR-SHIELD ICU				1
		IPR-GROUND BRKT GEAR				1
		IPR-GROUND FUSER				1
		IPR-GROUND OPC				1
		IPR-TERMINAL T/R				1
		IPR-BRKT DUST				1
		IPR-COVER PCB				1
		IPR-GROUND DU BRKT				1
		IPR-GROUND EXIT ROLL				1
		IPR-BAR CROSS BOTTOM				2
		IPR-GUIDE P/FRONT				1
		IPR-GND SHIELD SMPS				1
		IPR-GROUND MP CON				1
		IPR-GND BAR BOTTOM				1
		IPR-GROUND FUSER R				1
		IPR-PLATE GRIP CST				1
		ICT-SPACER FRAME				1
		PMO-ACTATOR REAR DP				1
		PMO-FRAME BASE				1
		PMO-ACTUATOR FEED				1
		PMO-CAP WIRE				1
		PMO-CAP ACT FEED				1
		PMO-CAP WIRE CST				1
		PMO-CAP TERMINAL TR				1
		PMO-HINGE GUIDE R				1
		PMO-STRIPE				1
		PMO-GUIDE EXIT FD				1
		PMO-HOLDER-G/PAPER				1
		PMO-CLEANER LSU				1
		PMO-CAP WIRE LSU				1
		PMO-LEVER STACKING				1
		PMO-LEVER SEESAW				1
		PMO-LEVER STACKING 2				1
		PMO-REAR CST ALIGN				2
		RCT-ROLLER EXIT FD				1
		"MEC-BEARING,EXIT"				1
		MEC-BRUSH				1
		ELA HOU-SOCKET CON				1
			SPRING-TONER SENSOR			3
			PMO-HOLDER_LOWER			1
			PMO-HOLDER_UPPER			1
		MEA RACK-ROLLER TR				1
			RING-E			1
			GEAR-TRANSFER			1
			MEC-ROLLER TRANSFER			1
		CABLE CLAMP				1
	ELA HOU-SMPS					1
		SMPS				1
		SPRING-LINK WIRE				1
		HEAT SINK-SMPS				1
		IPR-SHIELD SMPS				1
		PMO-CAP POWER				1
		PMO-CAP WIRE SUPPORT				1
	ELA HOU-COVER MAIN					1
		PMO-COVER-RIGHT				1
		PMO-COVER EXIT				1
		PMO-LINK TRAY				2
		ELA HOU-COVER HOUSING				1
			SCREW-TAPTITE			6
			ELA HOU-COVER TOP			1
				SCREW-TAPTITE		2
				SCREW-TAPTITE		1
				IPR-SPRING HINGE		2
				PMO-COVER TOP		1
				PMO-STOPPER HINGE		1
				MEA RACK-COVER OPEN		1
					SPRING-CS	1
					SPRING-HOOK LEVER2	1
					LABEL(P)-LSU CLEAN	1
					PMO-COVER OPEN	1
					PMO-BUTTON-OPEN	1
					PMO-HOOK OPEN	1
					PMO-STACKER	1
			ELA UNIT-PNL&LCD			1
				SCREW-TAPTITE		1
				SPRING-LCD LOCKER		1
				IPR-INSULATOR PANEL		1
				PMO-HOUSING PANEL U		1
				PMO-HOUSING-PANEL L		1
				PMO-KEY-SEESAW		1
				PMO-WINDOW PANEL		1
				PMO-KEY ONLINE		1
				PMO-LCD LOCKER		1
				PBA SUB DISP-PANEL		1
				PBA SUB DISP-LCD		1
				PBA SUB DISP-PNL&LCD		1
		MEA UNIT-COVER FRONT				1
			SPRING-CS			1
			PMO-COVER-FRONT			1
			PMO-BUTTON-POWER			1
		MEA UNIT-COVER LEFT				1

			PMO-COVER-LEFT		1
			PMO-AIRDUCT		1
		MEA UNIT-RACK COVER REAR			1
			SCREW-TAPTITE		3
			SPRING-FEED RLL		3
			SPRING-REAR		2
			GEAR-DUPLEX		1
			ICT-BRKT REAR COVER		1
			IPR-SPRING UPPER DP		1
			PMO-COVER-REAR		1
			PMO-BEARING LARGE DP		2
			PMO-ROLLER UPPER DP		1
			PMO-GUIDE INNER DP		1
			PMO-IDLE PICK UP		3
			RCT-ROLLER REAR DP		1
		MEA UNIT-COVER TRAY			1
			PMO-COVER-TRAY		1
			PMO-COVER COLOR		1
			PMO-SUBTRAY-FIRST		1
			PMO-SUBTRAY-SECOND		1
		MEA UNIT-TRAY MP			1
			ICT-SHEET SIDE GUIDE		1
			PMO-SIDE GUIDE TRAY		1
			PMO-TRAY-MP		1
	ELA HOU-BRKT MOTOR				1
		GREASE-BEARING			0.001
		MOTOR-STEP			1
		SCREW-MACHINE			3
		SCREW-MACHINE			2
		WASHER-PLAIN			2
		WASHER-PLAIN			1
		RING-E			1
		GEAR-118/23			1
		GEAR-RDCN OPC			1
		GEAR-IDLE 97			1
		GEAR-IDLE FU			1
		GEAR-OPC DRV2			1
		GEAR-FUSER DRIVE			1
		GEAR-OPC DRIVE(12)			1
		GEAR-FEED DRIVE			1
		IPR-BRACKET MOTOR J			1
		IPR-BRACKET(MOTOR 21)			1
	ELA HOU-DEVE UNIT(E)				1
	ELA HOU-CONTROLLER(N)				1
		PBA ETC-POSTSCRIPT			1
		PBA MAIN-CONTROLLER			1
		ELA HOU-ABZO			1
			SCREW-MACHINE		2
			CAP-BRKT NET OPT		1
			PBA SUB-NPC(NEC)		1
		MEA ETC-CONTROLLER BRKT(N)			1
			SCREW-TAPTITE		3
			IPR-BKT SERIAL		1
			MEC-BRKT ICU & GASKET		1
				IPR-BRKT ICU(B)	1
				RPR-GASKET ICU(10)	1
				RPR-GASKET ICU(20)	1
				RPR-GASKET ICU(90)	1
	ELA HOU-FUSER ASS'Y				1
		LAMP-HALOGEN			1
		SCREW-TAPTITE			2
		SPRING-RAIL			2
		ELA HOU-COV FU UPPER			1
			THERMOSTAT		1
			SCREW-TAPTITE		1
			SCREW-TAPTITE		1
			SCREW-TAPTITE		2
			IPR-ELECTRODE FU R		1
			IPR-ELECTRODE FU/L		1
			IPR-ELECTRODE M		1
			PMO-COVER FUSER UP		1
			PMO-CAP TERMINAL		1
		ELA HOU-FRAME FUSER			1
			THERMISTOR-NTC		1
			SCREW-TAPTITE		2
			SCREW-TAPTITE		2
			SCREW-TAPTITE		1
			SCREW-TAPTITE		3
			SPRING-PR(7300)		2
			BEARING-PRESSURE/R		2
			BEARING-H/R L		1
			BEARING-H/R R		1
			GEAR-FUSER		1
			IPR-FRAME FUSER		1
			IPR-SPR THERMISTOR		1
			PMO-GUIDE FRONT		1
			PMO-RAIL FUSER L		1
			PMO-RAIL FUSER R		1
			RCT-ROLLER HEAT		1
			MEC-ROLLER PR(7300)		1
		MEA RACK-COV FU LOW			1
			SPRING-SAPERATION		4
			SPRING-FUSER EXIT		3
			BEARING-EXIT FU L		2
			BEARING-EXIT FU		2
			GEAR-EXIT		2
			LABEL(P)-CLEAN FELT		1
			PMO-GUIDE CLAW		4
			PMO-COVER FUSER LOW		1
			ROLLER-EXIT		3
			RCT-ROLLER EXIT FU		2
		MEA RACK-BRK GEAR FU			1
			RING-CS		4
			"GEAR-EXIT/U,ID"		2
			"GEAR-EXIT,IDLE(Z17)"		2
			PCT-SHEET H/R		1

			PMO-BRKT FUSER GEAR	1
		MEA RACK-GUIDE REAR		1
			SPRING-ACTUATOR	1
			LABEL(P)-FUSER JAM	1
			LABEL(P)-HIGH TEMPER	1
			PMO-REAR FUSER	1
			PMO-ACTUATOR EXIT	1
	MEA UNIT-FEEDER CST			1
		TAPE-FILAMENT		0.1
		SCREW-MACHINE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		1
		SCREW-TAPTITE		2
		SCREW-TAPTITE		1
		SCREW-TAPTITE		2
		RING-E		1
		SPRING-PLATE K/UP		1
		SPRING-LEVER		1
		SPRING-SUB PLATE		2
		LABEL(R)-CST REAR		1
		LABEL(R)-INSTRUCTION		1
		IPR-FINGER		1
		IPR-GUIDE EXT LOCK		1
		IPR-GUIDE PAPER SCF		1
		IPR-GUIDE PLT PAPER		2
		IPR-PLATE KNOCK UP		1
		IPR-PLATE SPR LOCK		1
		IPR-PLATE SUB K/UP		1
		IPR-SPR PLATE G/SIDE		1
		ICT-SHAFT SPR K/UP		1
		PMO-COVER-GUIDE EXT		1
		PMO-BUSH K/UP		2
		PMO-CAP PLATE K/UP		1
		PMO-FRAME-CASSETTE		1
		PMO-GUIDE-EXT CST		1
		PMO-GUIDE-PAPER		1
		PMO-GUIDE PAPER SIZE		1
		PMO-GUIDE-SIDE CST		1
		PMO-LINK LEVER		1
		PMO-SIDE GUIDE EXT		1
		PMO-SUB GUIDE-CST		1
		PMO-LEVER PAPER		1
		PMO-ROLLER FD R		1
		PMO-WINDOW PAPER		1
		PMO-LOCKER PLATE		1
		RPR-PAD CST		1
		“SPRING-LOCKER,PLATE”		1
	MEA RACK-PICK UP			1
		GREASE-BEARING		0.001
		GREASE-BEARING		0.001
		SCREW-TAPTITE		1
		WASHER-PLAIN		5
		RING-CS		1
		SPRING-FEED SMALL		1
		SPRING-FEED LARGE		1
		BEARING-PICK UP		4
		GEAR-P/UP DRIVE		1
		GEAR-PICK UP		1
		GEAR-FEED		1
		IPR-SHAFT FEED IDLER		2
		IPR-PAPER GUIDE FEED		1
		IPR-GROUND FEED		1
		ICT-SHAFT IDLE LARGE		1
		ICT-SUB SHAFT P/UP		1
		ICT-SHAFT FEED		1
		ICT-SHAFT PICK UP		1
		PMO-ROLLER FEED L		2
		PMO-ROLLER FEED S		1
		PMO-SUB HOLDER FEED		1
		PMO-FRAME FEED		1
		PMO-HOUSING PICK UP		1
		PMO-FEED ROLL DRIVE		1
		PMO-HOLDER FEED S		1
		PMO-HOLDER FEED L		1
		RPR-RUBBER PICK UP		1
	INA-TEST 110V			1
		PAPER-ART		0.02
		PAPER-ART		1
	PAA WOOD-LABEL ASS'Y(STA)			1
		LABEL(P)-DUPLEX		1
		LABEL(P)-ENERGY ST.		1
		“LABEL(P)-CAU,LSU”		1
		LABEL(P)-JAM2		1
		LABEL(P)-BLANK(ML)		2
		LABEL(P)-NPC_TEST_L		1
		LABEL(R)-LASER		1
		LABEL(R)-TR CHANGE		1
		LABEL(R)-RATING		1
		LABEL(R)-S/N(STA)		1
		MEC-BARCODE		1
	PAA WOOD-PACKING ASS'Y			1
		TAPE-OPP MASKING		1.5
		TAPE-FILAMENT		0.7
		“CUSHION—CUSHION SET,N”		1
		CUSHION—SPACER		2
		BAG-PE SET		1
		CUSHION-DEV KME		2
		CUSHION-DEV		1
		CUSHION-CST		1
	INA-ACCESSORY(XAR)			1
		S/W APPLICATION-DRIVER CD		1
		MAN(BOOK)-7000N3/XAR		1
		MAN(BOOK)-USER MANUAL		1
		LABEL(R)-CUSTOMER		1
		“MAN(CARD)-WARR, STA”		1

11. Schematic Diagrams

11-1 Main Circuit Diagram(1/12)



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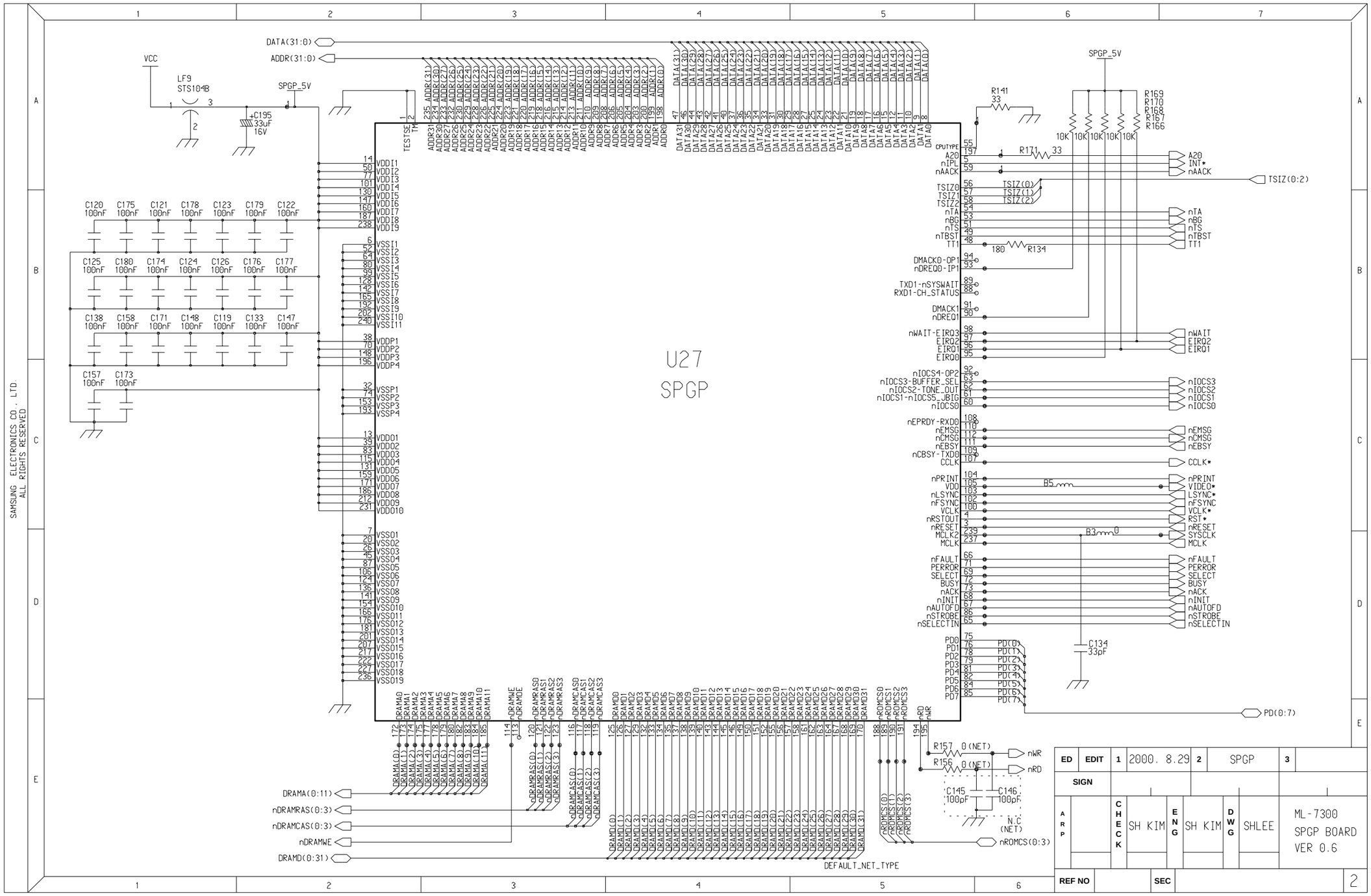
Main Circuit Diagram(2/12)



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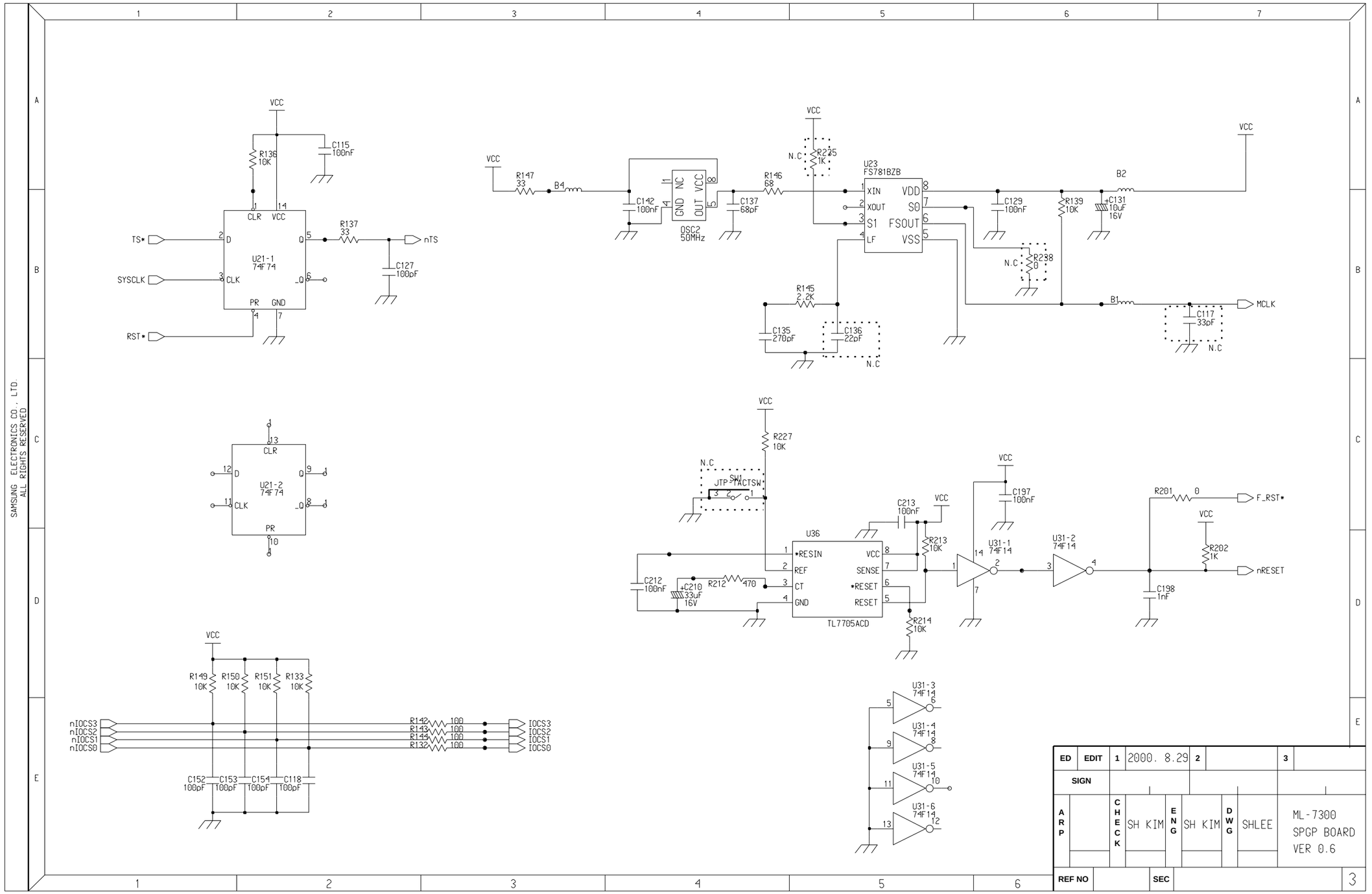
Main Circuit Diagram(3/12)



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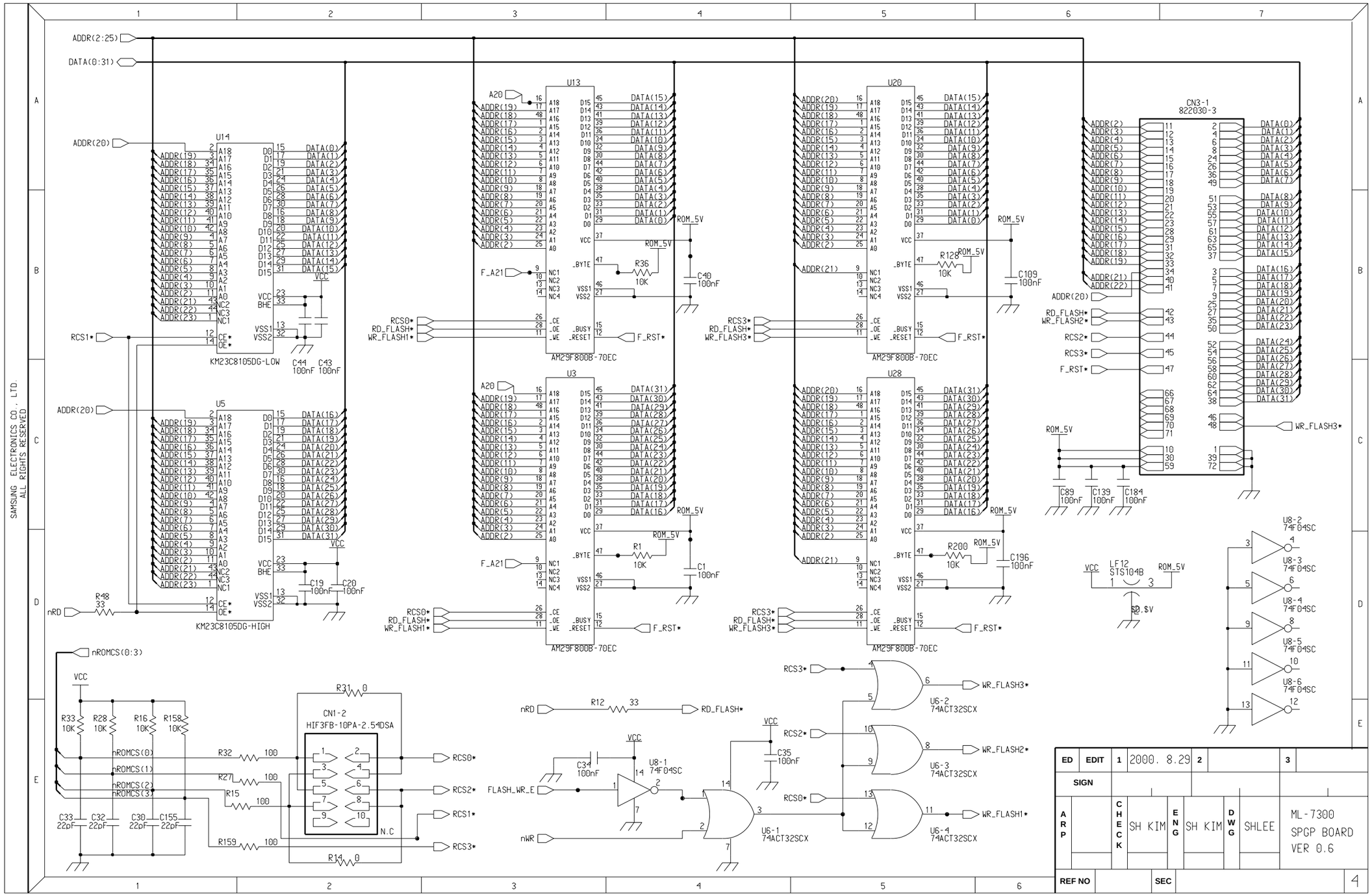
Main Circuit Diagram(4/12)



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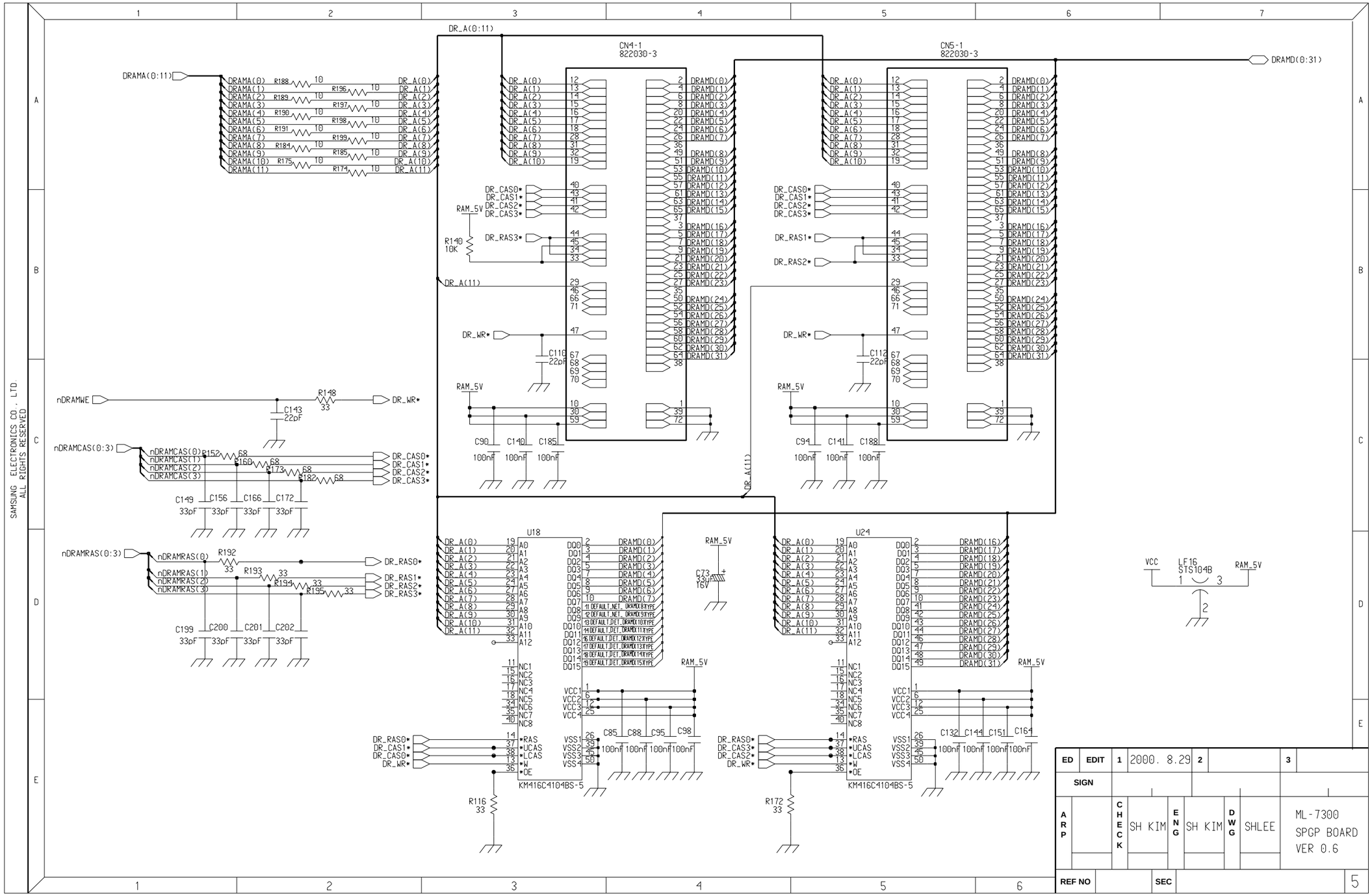
Main Circuit Diagram(5/12)



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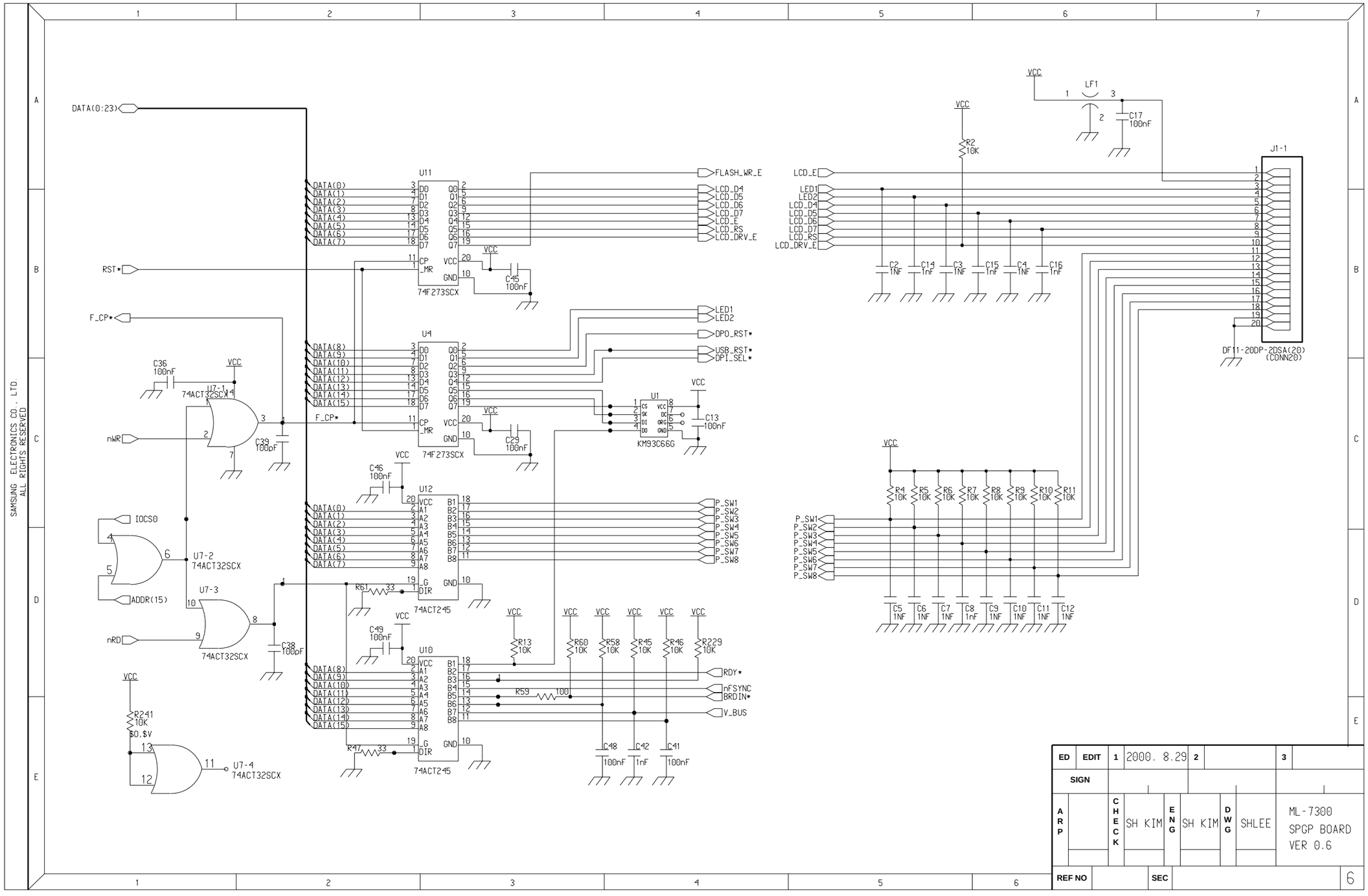
Main Circuit Diagram(6/12)



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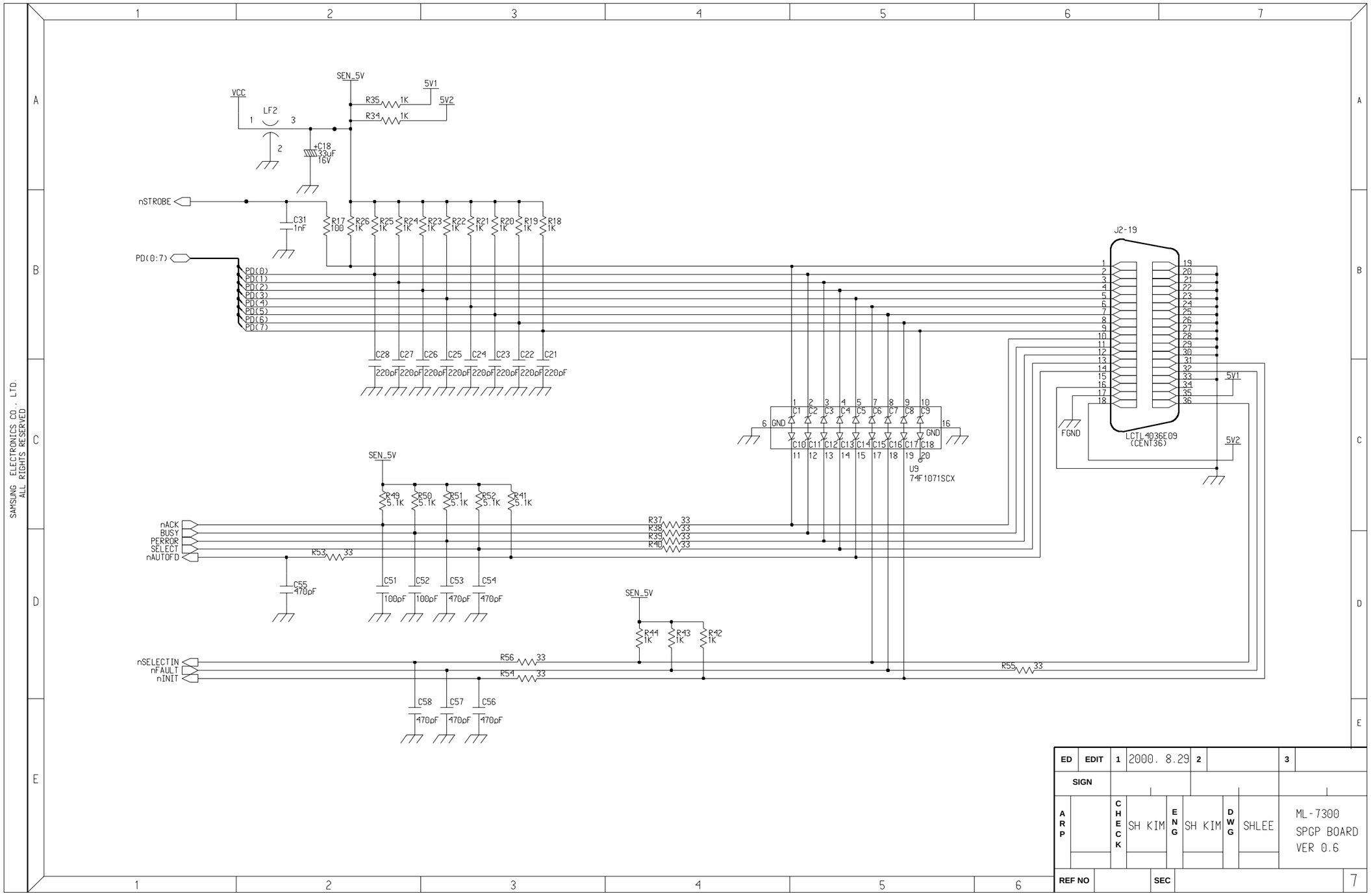
Main Circuit Diagram(7/12)



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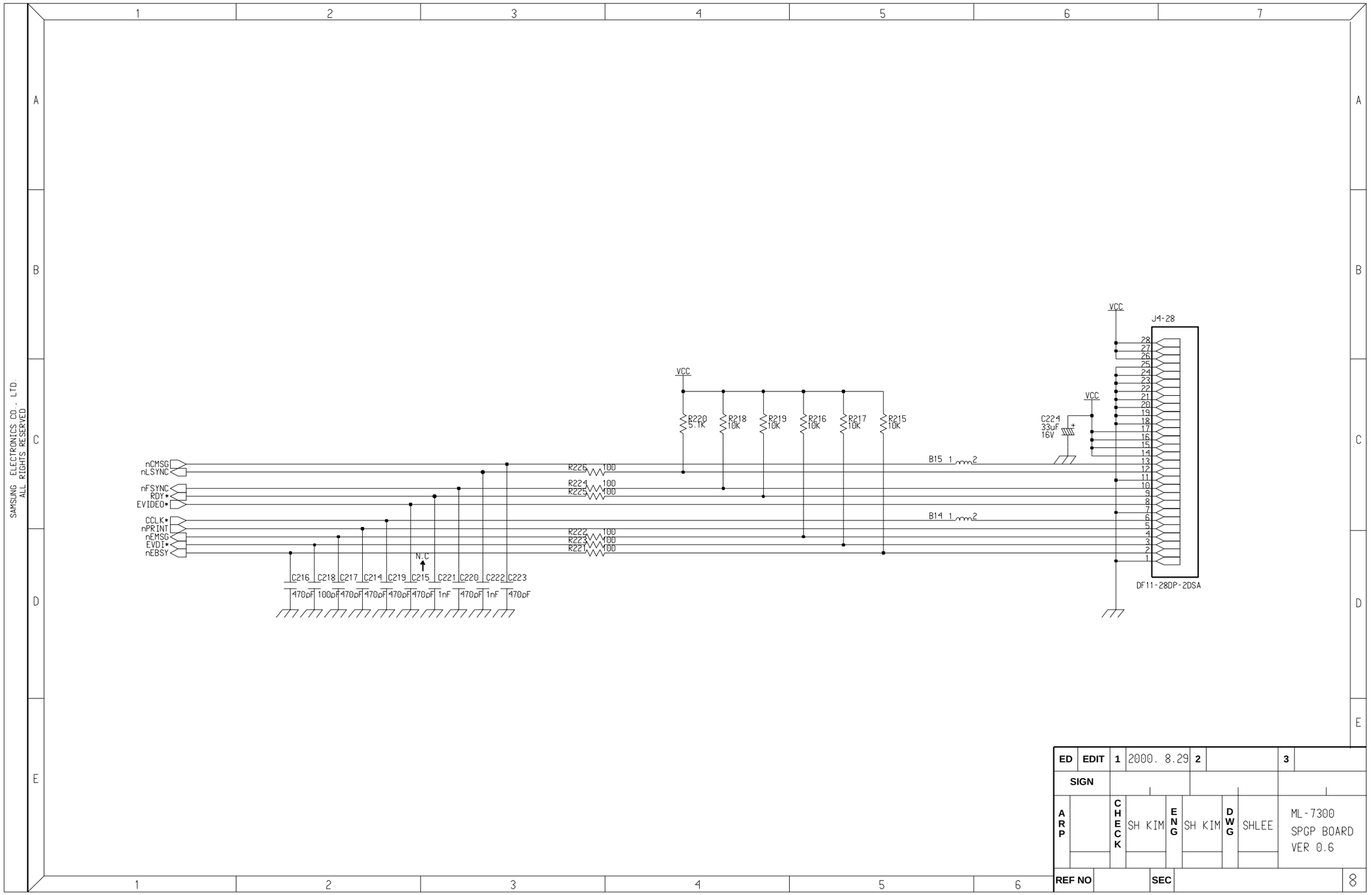
Main Circuit Diagram(8/12)



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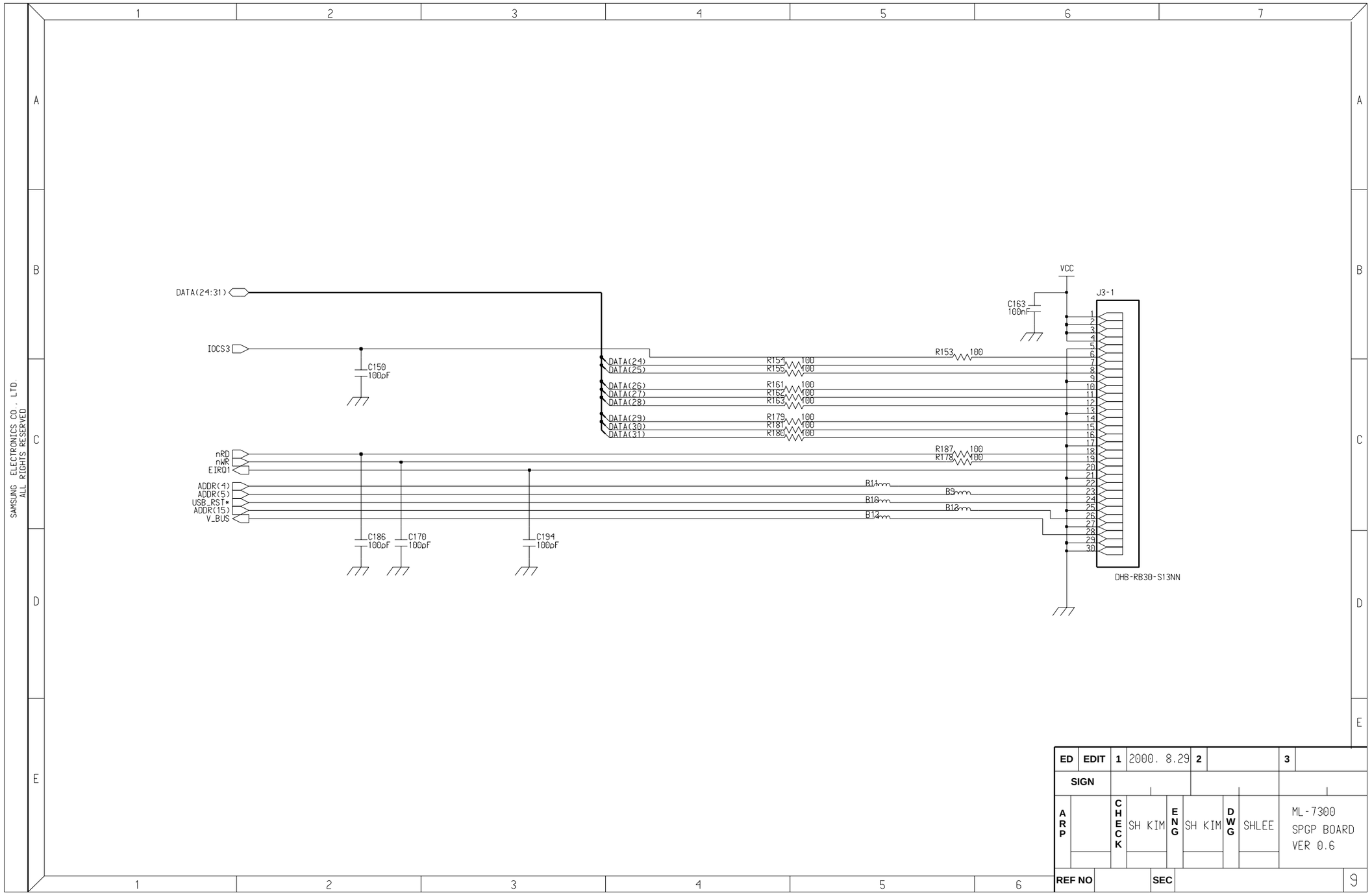
Main Circuit Diagram(9/12)



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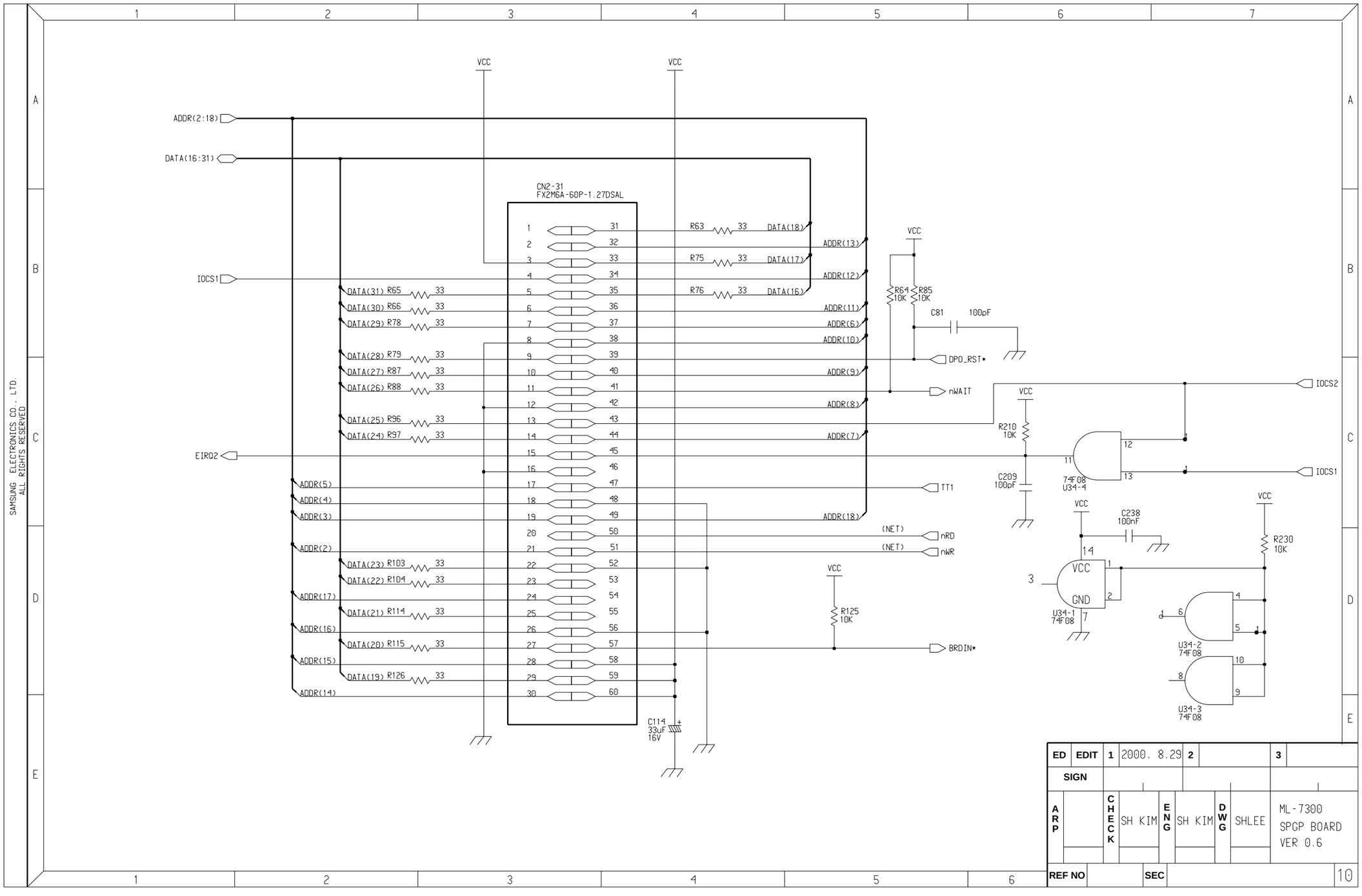
Main Circuit Diagram(10/12)



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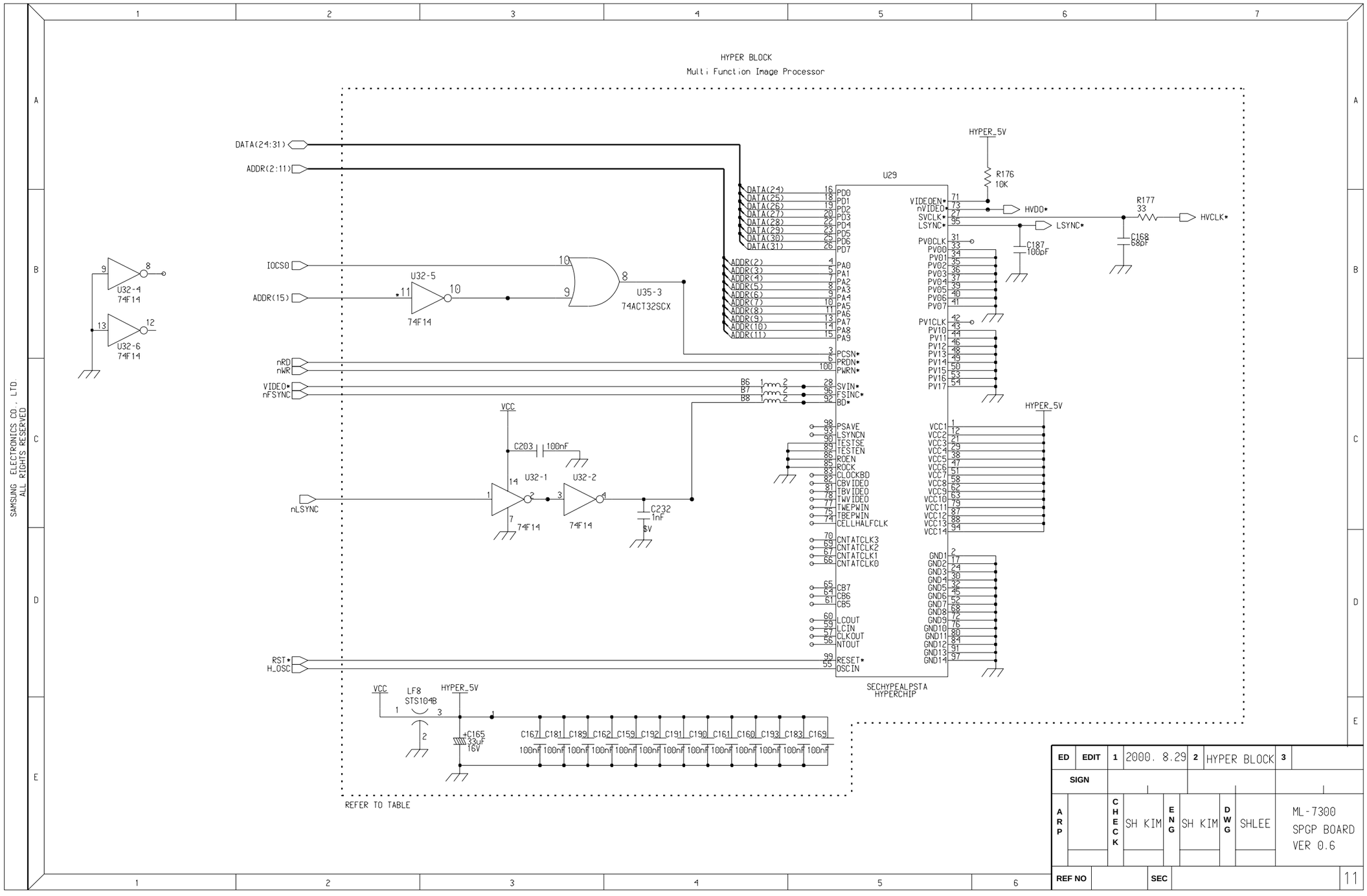
Main Circuit Diagram(11/12)



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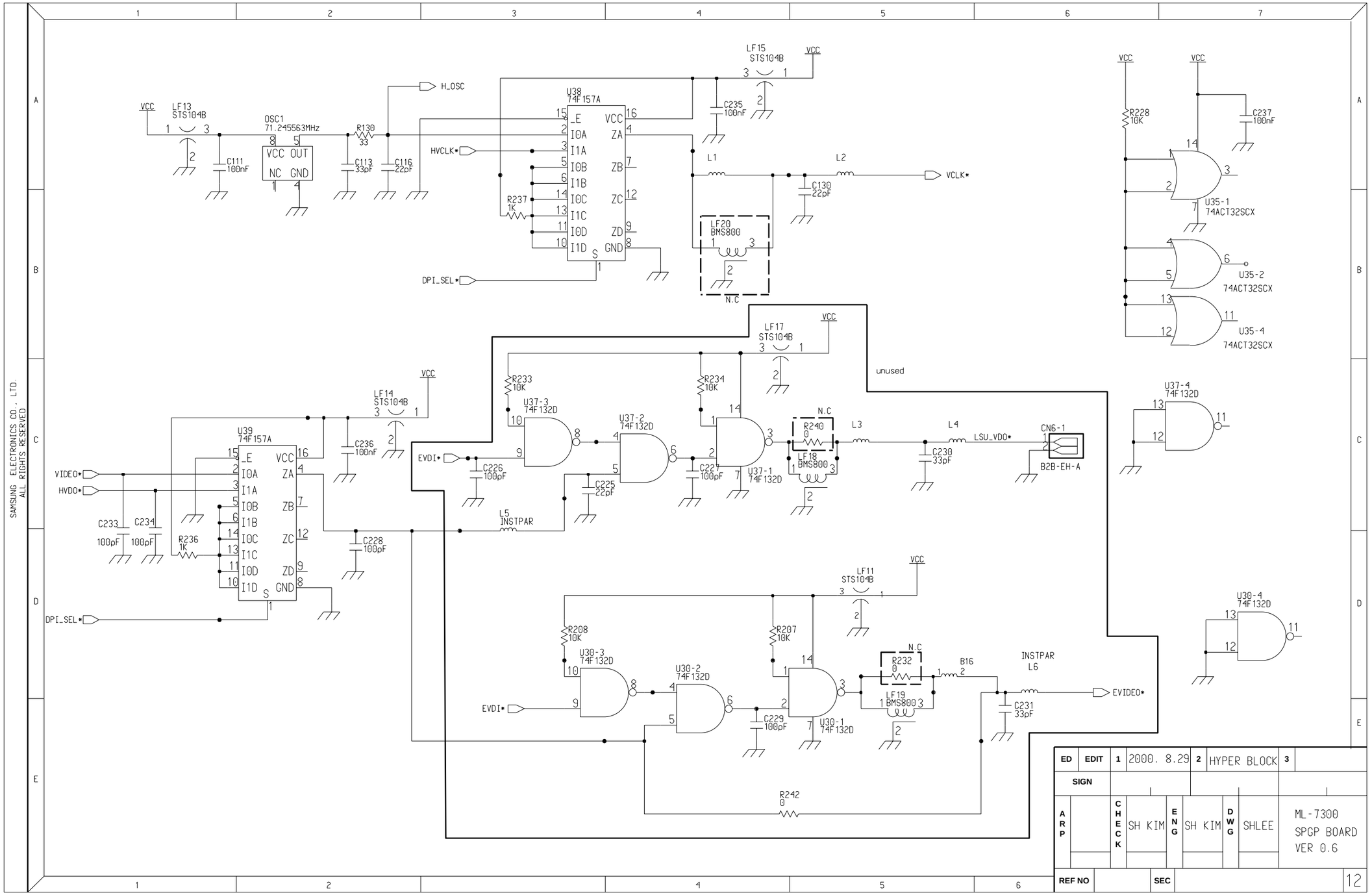
Main Circuit Diagram(12/12)



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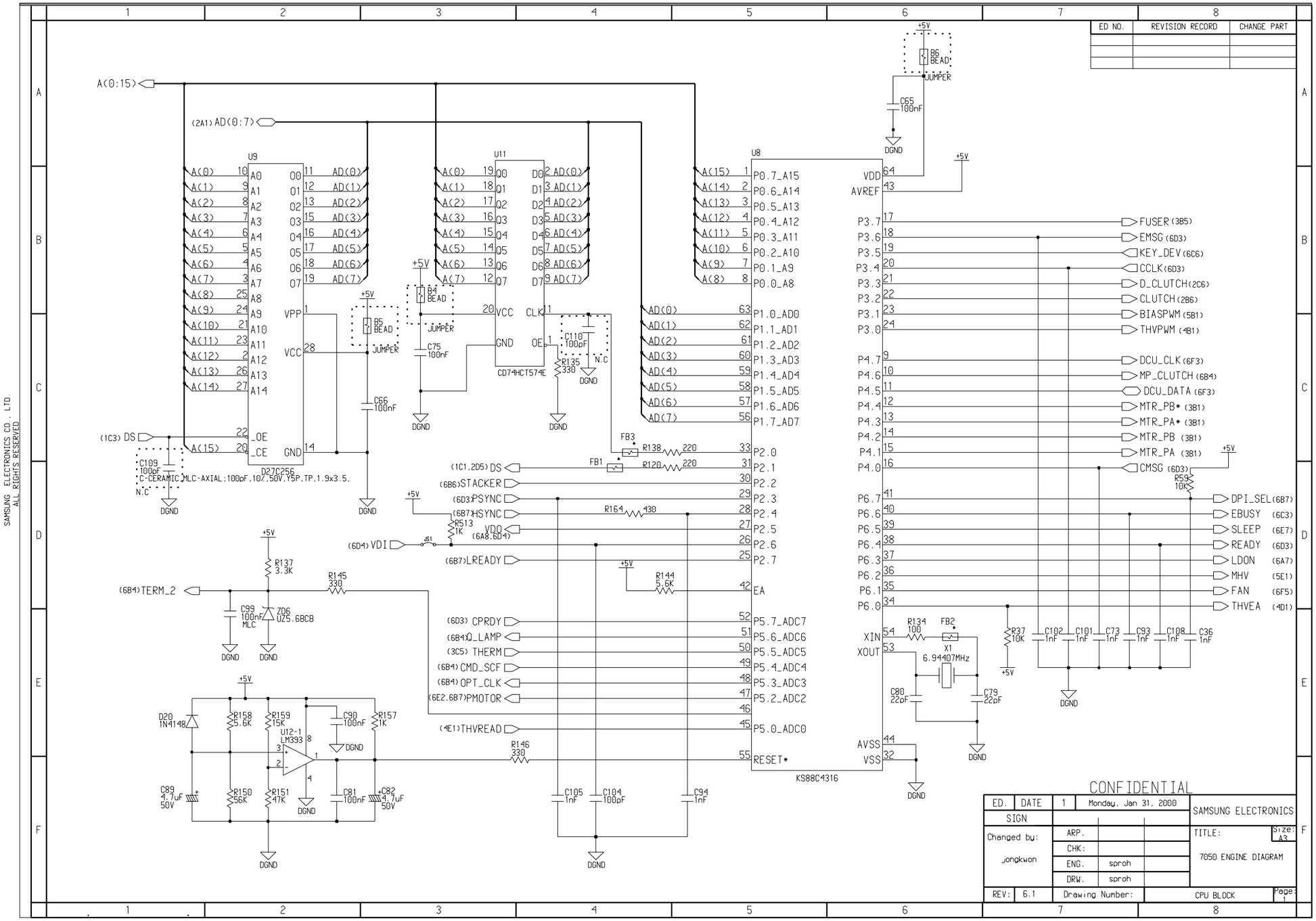
11-2 Engine Circuit Diagram(1/6)



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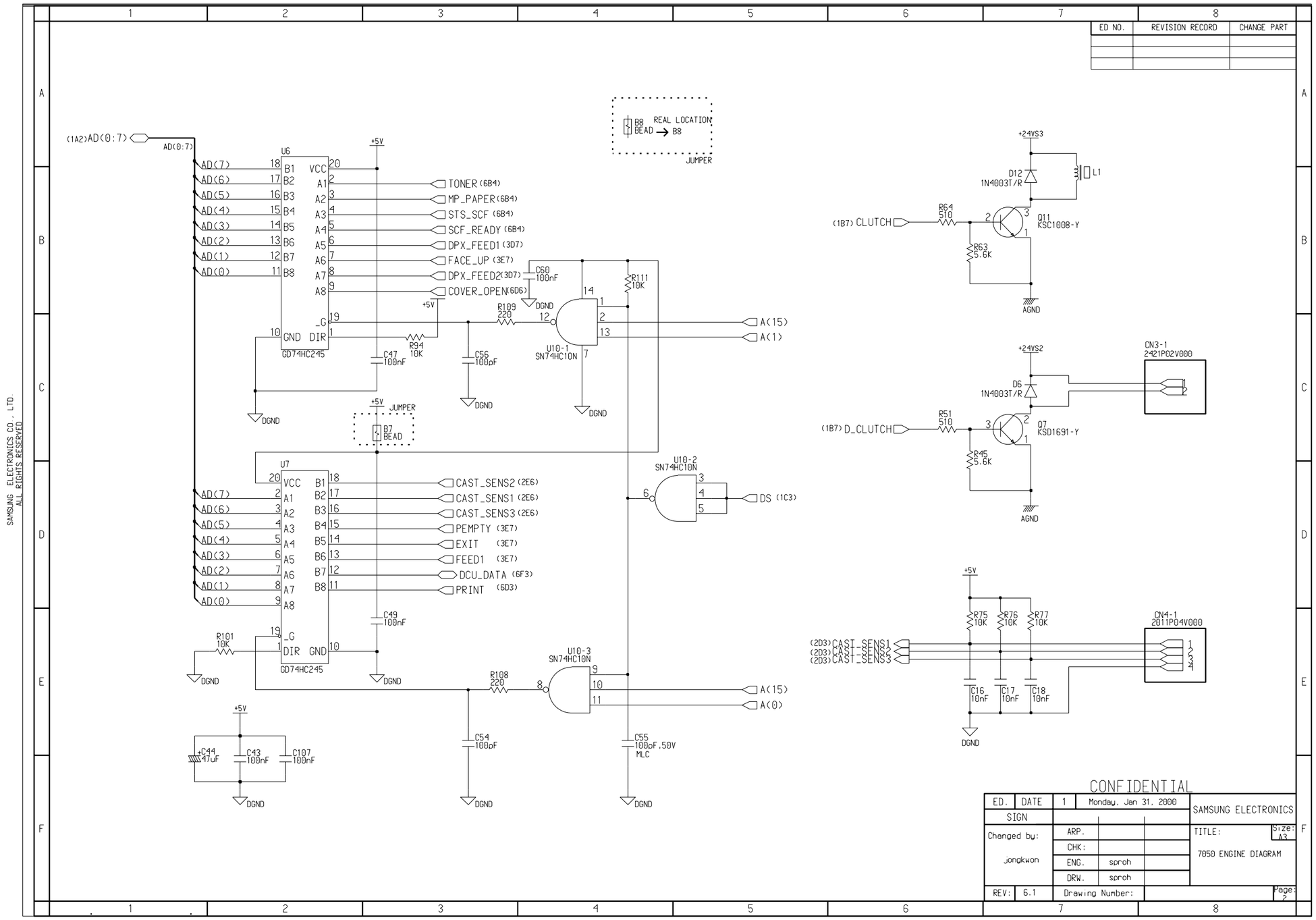
Engine Circuit Diagram(2/6)



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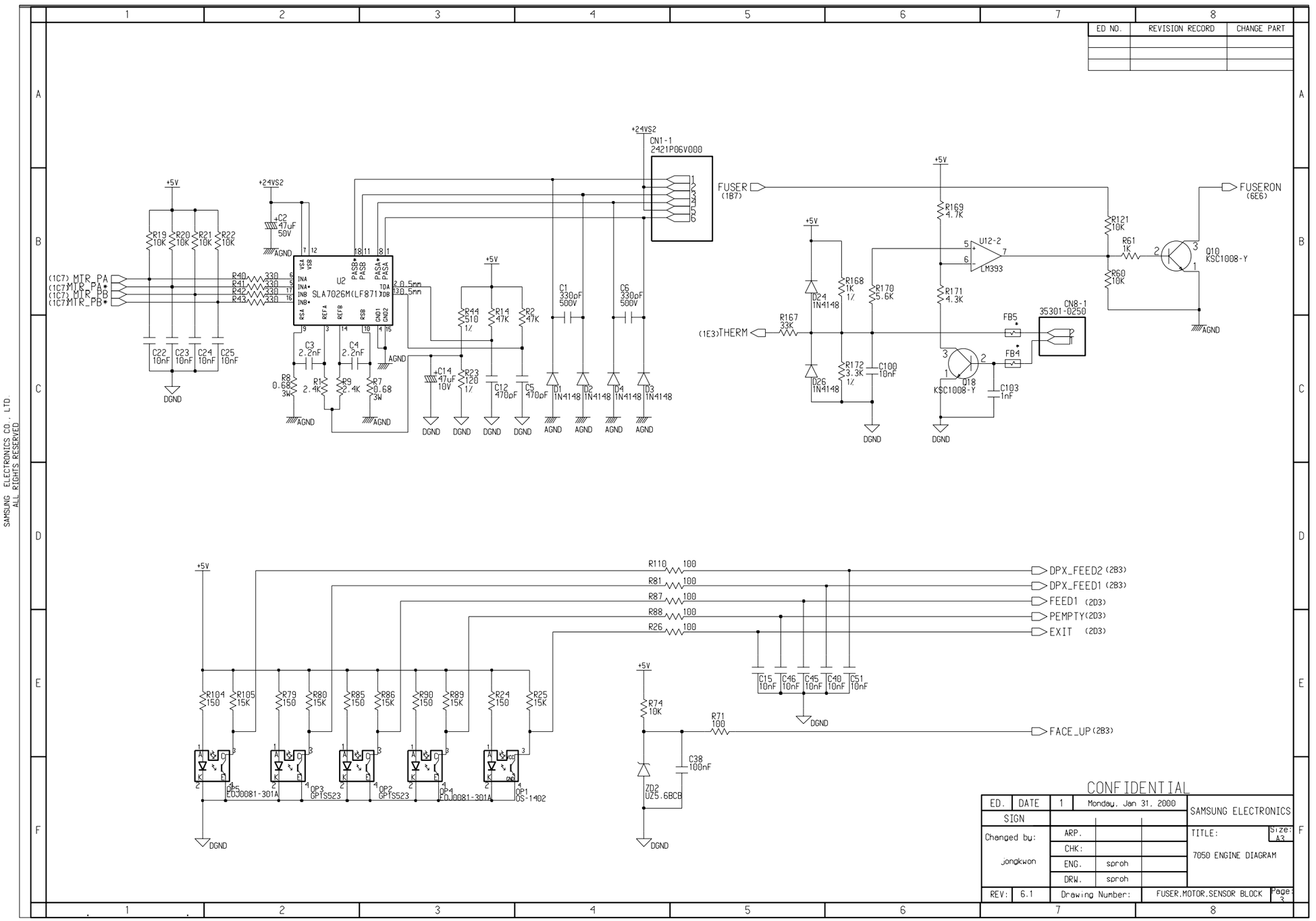
Engine Circuit Diagram(3/6)



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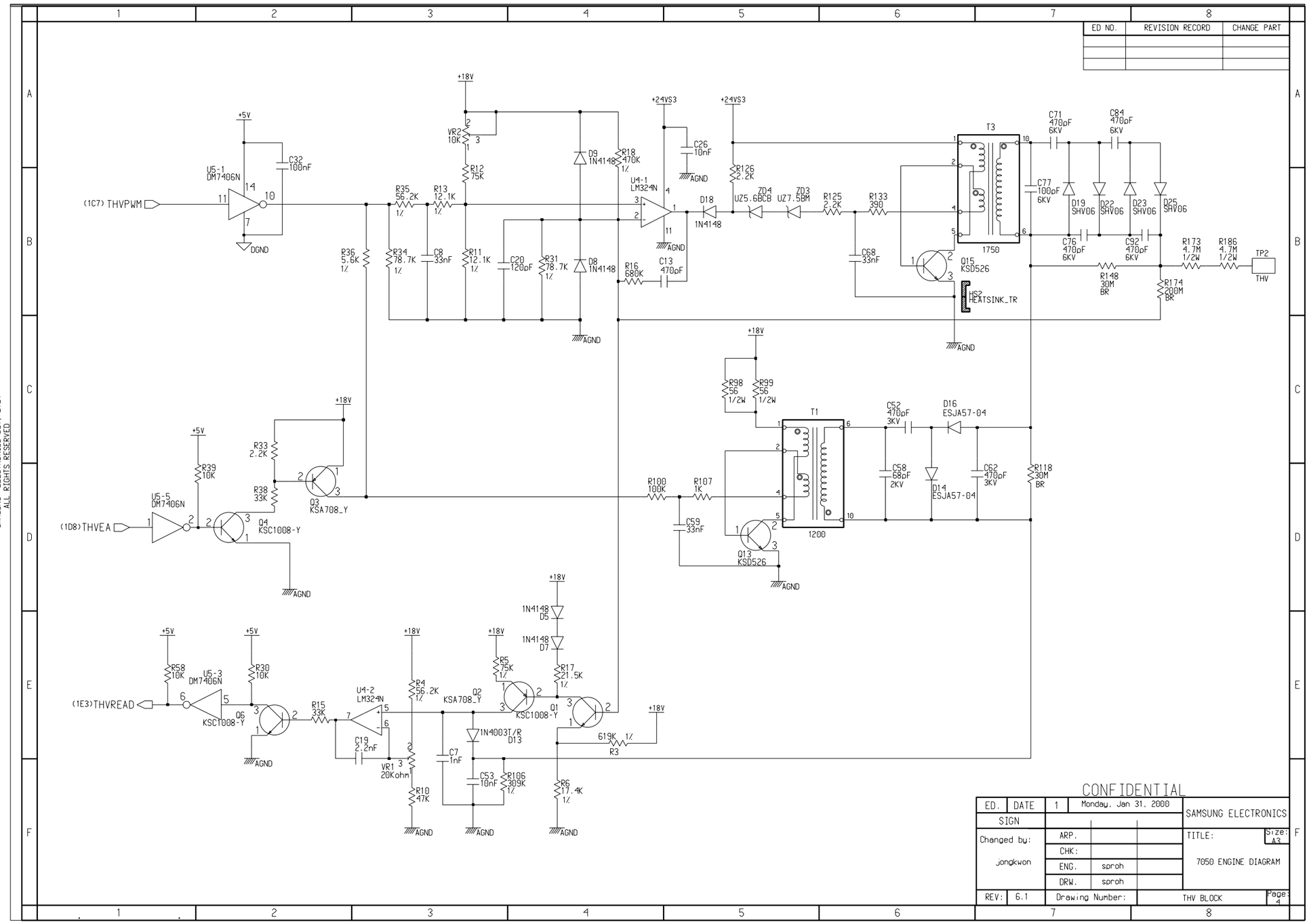
Engine Circuit Diagram(4/6)



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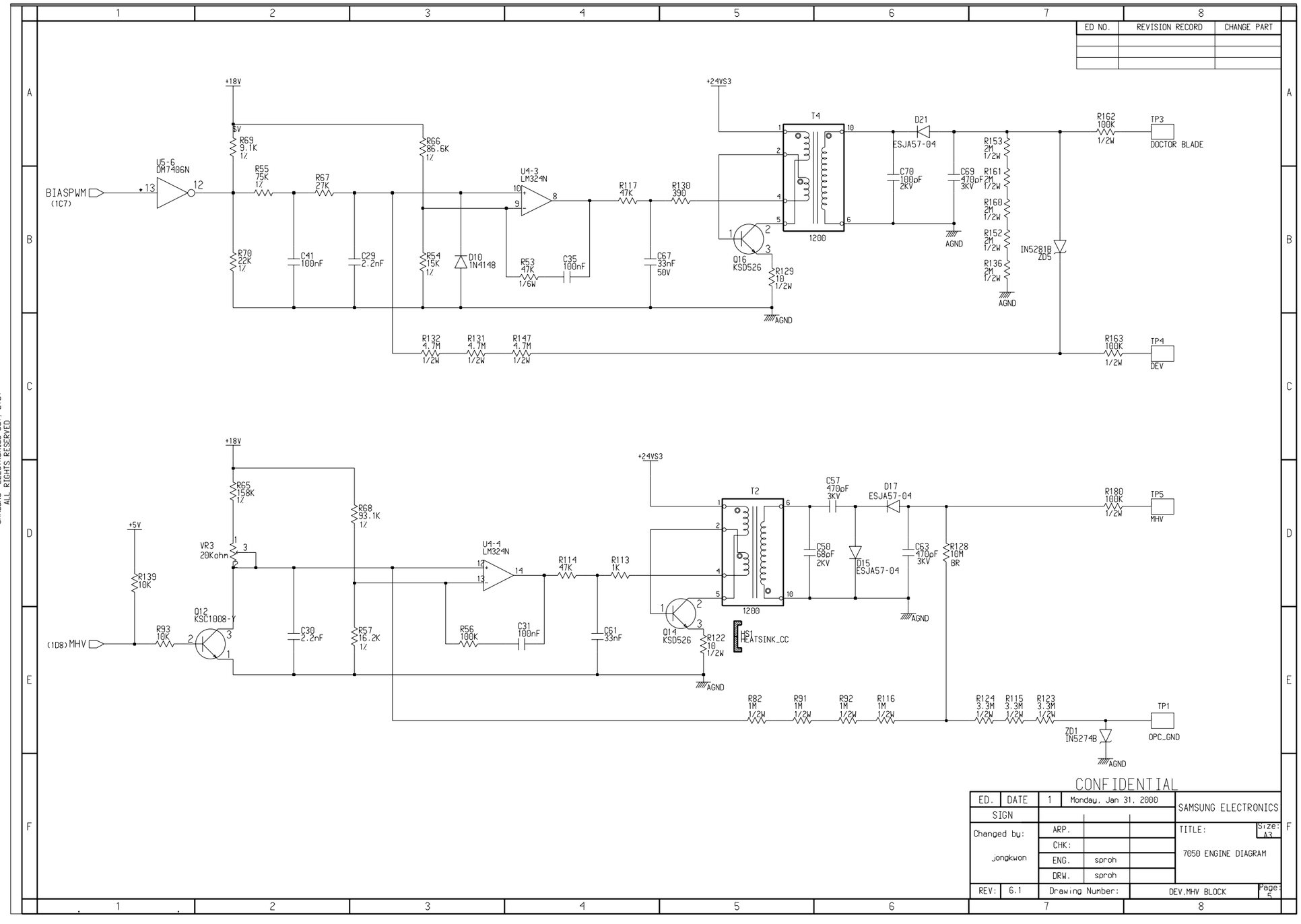
Engine Circuit Diagram(5/6)



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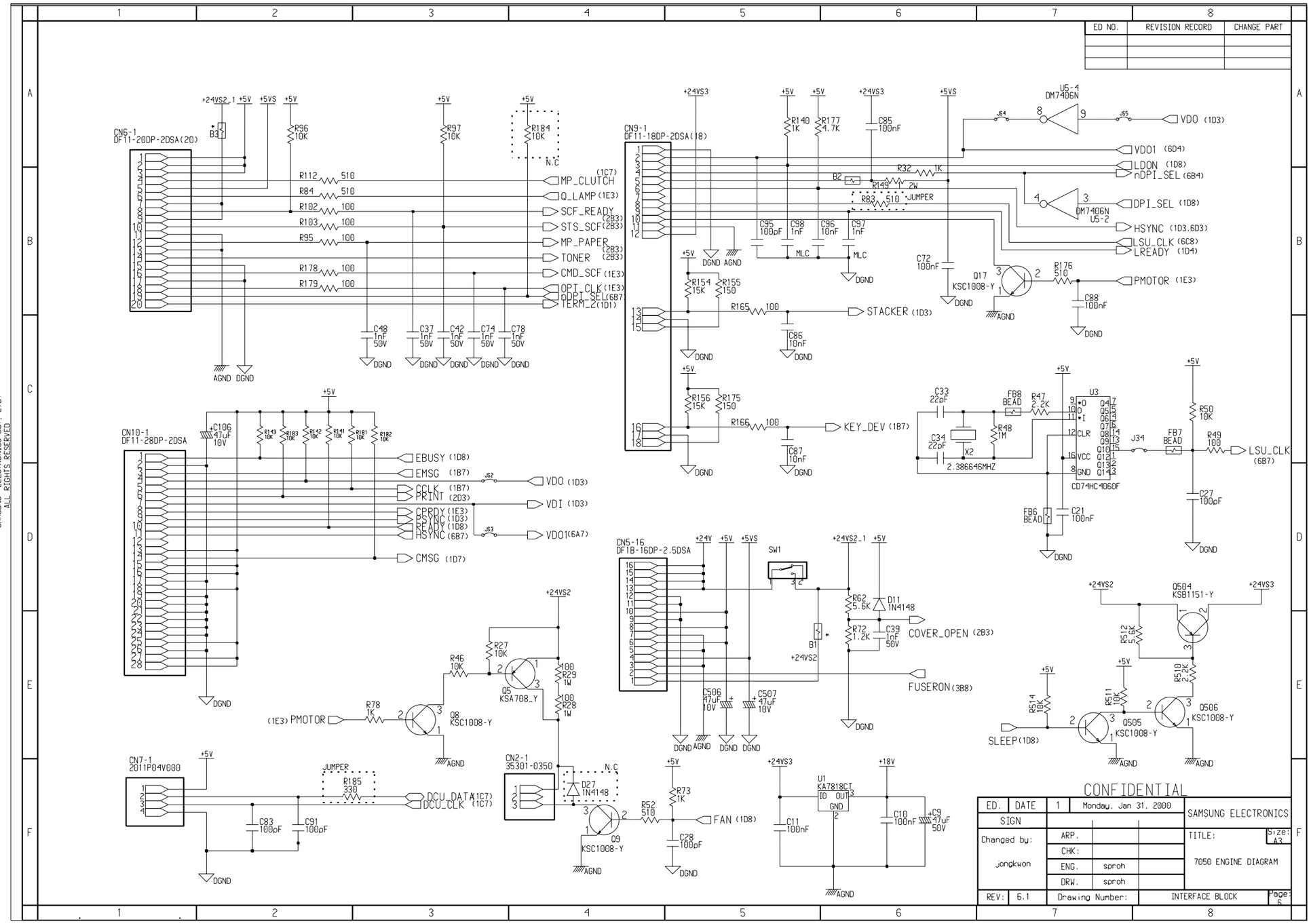
Engine Circuit Diagram(6/6)



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Cassette Circuit Diagram

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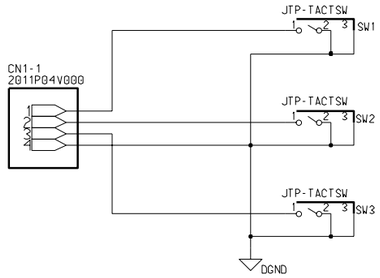

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ED.	DATE	1	Tuesday, July 28, 1998
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Changed by: skchoi	ARP.		
	CHK:		
	ENG.	skchoi	
	DRW.	skchoi	
REV: rev2.3	Drawing Number:		

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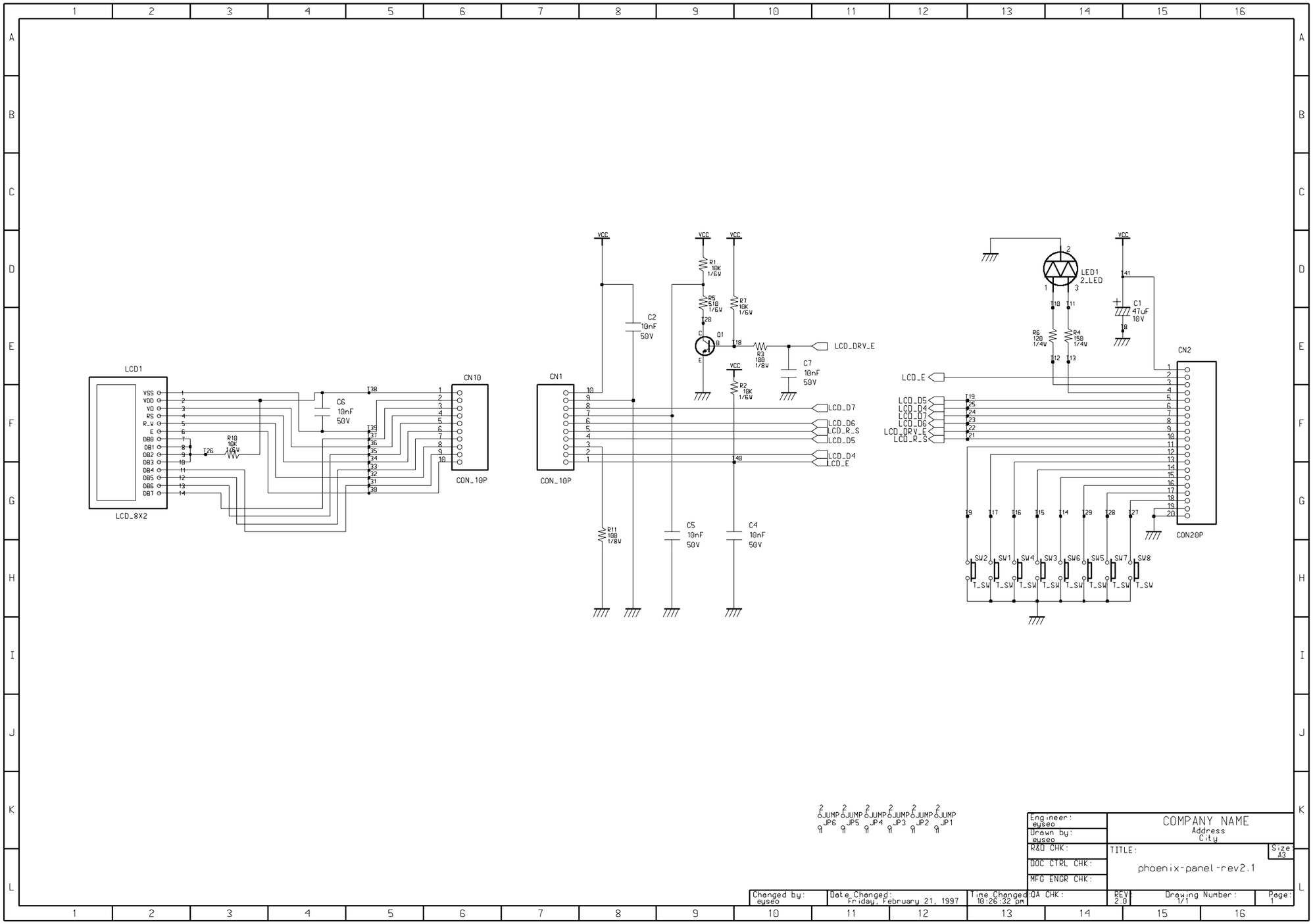
Panel Circuit Diagram



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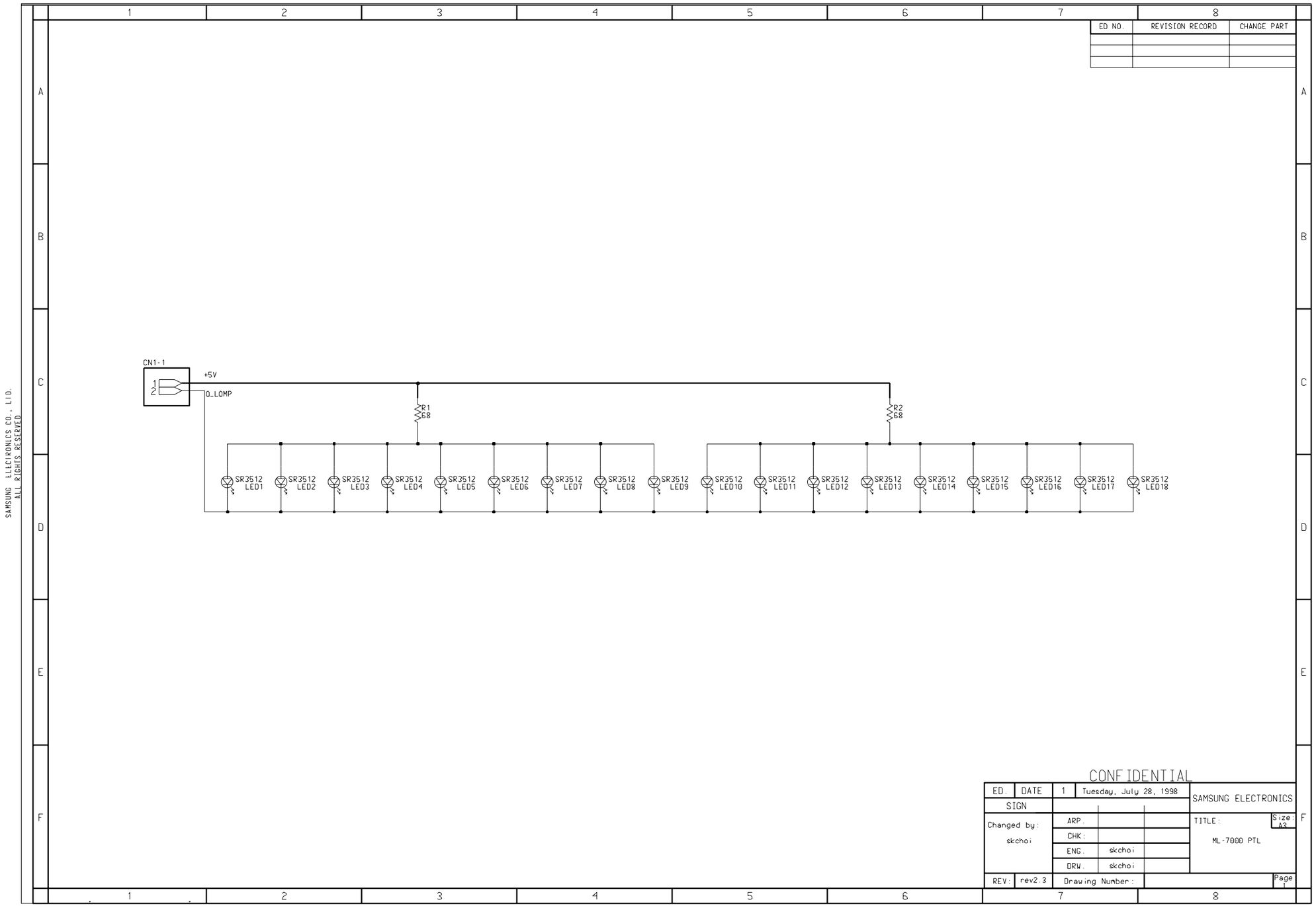
PTL Circuit Diagram



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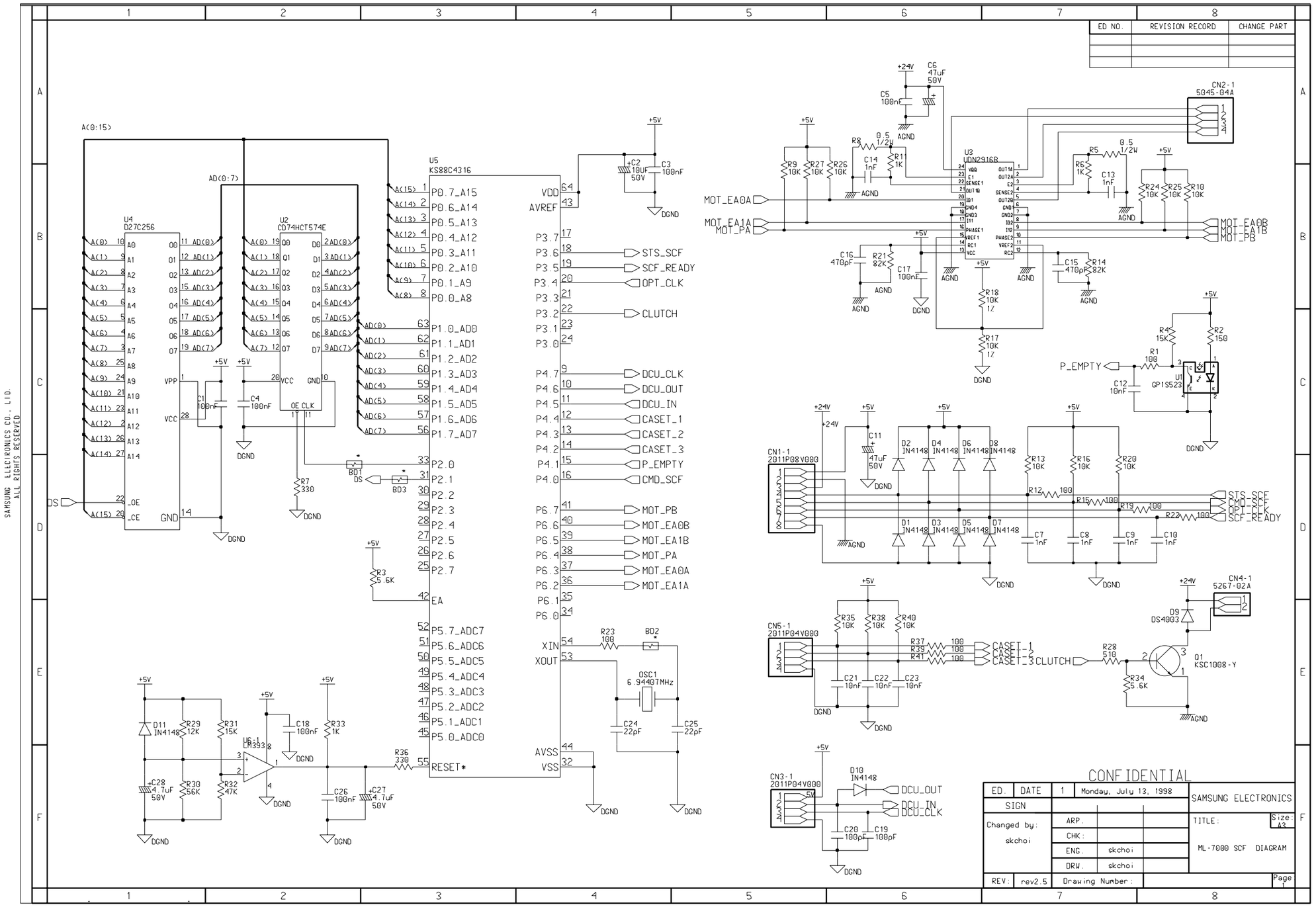
SCF Circuit Diagram



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